



Hebron University

College of Graduate Studies – English Department

The Effectiveness of Constructivism in Teaching English

Writing: An Applied Study

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This thesis is submitted in partial fulfillment of the requirements for the Degree of Master of Applied Linguistics and Teaching of English, Hebron University, Palestine.

August, 2024

Declaration

I declare that this work is my own, and the work of others used in the completion of this thesis has been duly acknowledged. I also declare that this research has been implemented according to the Academic Good Conduct and that all experimental and other investigative results have not been falsified.

Acknowledgment

I would like to express my sincere appreciation and gratitude to Dr. Mohammed Farrah, my instructor and guide throughout this study, whose efforts have shaped it into what it is today.

I am also grateful to all the instructors at Hebron University who have contributed to enriching my knowledge and supported me through each stage of my academic journey.

Furthermore, I extend my heartfelt thanks to all the researchers in this field for their studies, which have been invaluable resources for researchers like myself throughout this study.

I also want to express my profound respect and appreciation to the principal, staff, and students of Segev-Shalom School who participated in the experiment, as their collaboration forms the essence of this study.

Lastly, I acknowledge the unwavering support of my family, friends, and fellow students. I hope that this study will prove beneficial to future researchers.

Abstract

This study investigates the effectiveness of constructivist teaching methodology in enhancing English writing skills among seventh graders at the Segev-Shalom Comprehensive School in the Negev. It examines how constructivist methods address the difficulties students face in mastering English writing. The study employs a mixed-methods approach, combining the collection and analysis of quantitative and qualitative data. Quantitative methods include pre-tests and post-tests to assess potential improvement in writing performance. Qualitative data are collected through letter exchanges with the teacher and interviews conducted at the end of the experiment. The data are analyzed using grounded theory to provide a deeper understanding of students' educational experiences and changes in motivation, desire to learn, and innovate. The use of triangulation in quantitative and qualitative data sources ensures the validity and reliability of the results. Preliminary results indicate significant improvement in writing performance, especially in organizational skills, grammatical accuracy, and overall coherence. Qualitative data also indicate the positive impact of constructivist methods on student interaction, self-expression, and cultural awareness. Thematic analysis of interviews indicates an improvement in motivation, confidence, and a greater willingness to learn English, attributed to the interactive and student-centered nature of constructivist teaching. This study suggests that constructivist teaching methods can create an effective and more engaging learning environment and recommends further exploration of the long-term effects of these methods and their applicability in different educational environments and subjects.

Keywords: Constructivist teaching, English writing skills, writing proficiency, grounded theory, triangulation

ملخص

تستقصي هذه الدراسة فعالية منهجيات التعليم البنائي في تحسين مهارات الكتابة باللغة الإنجليزية بين طلاب الصف السابع في مدرسة شقيب السلام الشاملة. ومع الاعتراف بأهمية الكفاءة في الكتابة للنجاح الأكاديمي، تتناول هذه الدراسة التحديات التي يواجهها الطلاب في إتقان الكتابة باللغة الإنجليزية، رغم تفوقهم في مجالات أكاديمية أخرى. باستخدام نهج متعدد الأساليب، تجمع الدراسة بين جمع وتحليل البيانات الكمية والنوعية. تقيس الاختبارات القبليّة والبعديّة التحسينات الكمية في أداء الكتابة لدى الطلاب، في حين توفر تبادلات الرسائل والمقابلات المنظمة رؤى نوعية حول تجارب التعلم والتغيرات في الدافع لدى الطلاب. تكشف النتائج الكمية عن تحسينات كبيرة في أداء الكتابة، مع تقدم في مهارات التنظيم والدقة النحوية وتماسك الكتابة بشكل عام. تبرز البيانات النوعية، التي تم تحليلها باستخدام نظرية الجذور، التأثير الإيجابي للطرق البنائية على تفاعل الطلاب، والتعبير عن الذات، والوعي الثقافي. يشير التحليل الموضوعي للمقابلات إلى زيادة الدافع والثقة، ورغبة أكبر في تعلم اللغة الإنجليزية، مما يُعزى إلى الطبيعة التفاعلية والمتمحورة حول الطالب للتعليم البنائي. تظهر هذه الدراسة أن طرق التدريس البنائية يمكن أن تخلق بيئة تعليمية أكثر إثارة وفعالية. توصي النتائج باستخدام هذه الأساليب بشكل أوسع في تدريس الكتابة باللغة الإنجليزية لتحسين مهارات الكتابة والدافع لدى الطلاب بشكل كبير. ينبغي أن تستكشف الدراسات المستقبلية التأثيرات طويلة الأمد لهذه الأساليب وكيفية استخدامها في مدارس مختلفة لتأكيد وتطوير هذه النتائج.

كلمات مفتاحية: النظرية البنائية، مهارات الكتابة باللغة الإنجليزية، إتقان الكتابة، النظرية المتجددة، التثليث

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Chapter One: Introduction

1.0 Introduction

Writing is crucial for academic success, professional development, and personal expression. Despite its importance, many students encounter difficulties with writing, particularly in their early education. These difficulties often stem from insufficient exposure to writing practices and a limited grasp of the writing process.

Language is a powerful tool for expression, providing individuals with the means to articulate their thoughts, feelings, and emotions. This expression is integral to creativity and serves as the foundation for literature, art, and music, fostering the creation and enjoyment of diverse cultural expressions.

The theory of constructivism posits that learners construct knowledge through active engagement in learning experiences. A constructivist classroom environment, where students generate ideas and develop their understanding through inquiry, can be particularly conducive to teaching writing. This approach supports students in improving their writing skills at their own pace and aligns with their natural learning processes.

Empirical studies have consistently shown that constructivist methodology can significantly enhance writing skills. For instance, Perin (2007) found that students exposed to constructivist writing instruction performed better on writing assessments than students who received traditional instruction.

1.1 Background of the Study

Segev Shalom Comprehensive School, located in the Negev, serves a diverse student population from seventh to twelfth grade. The school, which begins in the seventh grade for students who are typically 12 years old, caters exclusively to Muslim students.

Students at Segev Shalom come from various backgrounds, predominantly from the Segev Shalom village, which has a population of approximately 10,000 people. Additionally, a significant portion of the student body hails from scattered villages that lack basic municipal services such as electricity and running water.

This diverse socio-economic background presents unique challenges and opportunities for educational methodologies, particularly in enhancing English writing skills among seventh graders. Understanding the varied circumstances of these students is crucial in addressing their educational needs effectively.

Four secondary schools in Segev Shalom offer specializations in Electronics, Science, Chemistry, and Biology for the Bagrut high school certificate. Our institution, Segev Shalom Comprehensive School, remains the preferred choice for aspiring elementary school graduates.

In the preparatory section, Segev Shalom Comprehensive School conducts diagnostic tests in four important subjects: Mathematics, Science, Arabic, and English. Nevertheless, it is evident that many students admitted to our school need to improve their English writing skills. Even the most academically gifted students face challenges crafting coherent and

comprehensible paragraphs. While they may excel in Arabic, Science, and Mathematics, English writing proves difficult for the majority.

Furthermore, students learn Hebrew, the official language, in addition to their mother tongue, Arabic. This makes English their third language, which may impact their ability to learn it effectively.

The school dedicates a six-week preparatory period to bolster students' competencies in these subjects, including English. This timeframe generally suffices for students to reach the requisite proficiency level. Subsequently, a placement test dictates their class allocation for grades 7 through 9.

1.2 Statement of the Problem

The study addresses a critical challenge which is the seventh graders' struggle to meet the high standards of English writing required at Segev Shalom Comprehensive School. This research proposes a constructivist pedagogical approach to enhance students' writing capabilities. The investigation will ascertain the efficacy of constructivism in improving the writing skills of seventh-grade students at the school.

1.3 Objectives of the Study

The study is guided by the following objectives, which aim to evaluate the impact of a constructivist approach to writing instruction on seventh-grade students' writing performance at Segev Shalom School:

1. To evaluate the writing performance disparities between students taught through constructivist and traditional methods.
2. To assess students' English language proficiency during the pre-and post-experimental period to determine the constructivist approach's influence on their writing skills.
3. To examine the impact of the constructivist approach on students' motivation degrees and devise metrics for its measurement and assessment.

1.4 Research Questions

1. Are there statistically significant differences in students' English writing performance in the students' pre-writing and post-writing composition?
2. How does students' English writing proficiency evolve from before to after the constructivist teaching period?
3. How does constructivism affect the motivation of seventh-grade students?

1.5 Significance of the Study

This research is significant as it evaluates the constructivist approach's effectiveness in teaching writing to seventh graders, a demographic for which this methodology has not been extensively explored. The findings could broadly affect educational practices in writing instruction beyond Segev Shalom School. Furthermore, the study will employ constructivist methods, including a letter exchange between the teacher-researcher and students, fostering hands-on learning and constructivist pedagogy.

1.6. Limitations

1.6.1. Limited Sample Size

A fundamental limitation of this study is the small number of participants. The small number of students reduces the reliability of the findings and may not accurately represent the larger student population. A larger sample size would provide more reliable results and a clearer understanding of trends.

1.6.2. Student Attrition

Some students left the school or transferred to different classes during this study. It can introduce bias, as those who stayed may differ in important ways from those who left. The students who left were at higher levels than those who stayed. It also makes the data less consistent and reliable.

1.6.3. Impact of October 7, 2024 Events and War on Gaza

The events of October 7, 2024, and the subsequent war on Gaza significantly disrupted the school schedule. The effects of the war included school closures and two weeks of remote learning. These disruptions likely affected students' focus and performance, making it hard to separate the impact of these events from the study's findings.

1.6.4. Time Limitation

The study was conducted over a short period, limiting the ability to see long-term effects. A longer study period would provide more comprehensive data and help identify lasting trends and impacts.

1.7 Summary

This chapter underscores the crucial role of writing in academic, professional, and personal settings and highlights the challenges students commonly face in developing practical writing skills during their early education. It emphasizes the powerful function of language in social interaction, personal expression, and the fostering of creativity in various cultural forms.

The chapter presents constructivism as a theory where learners actively build knowledge through engagement in their learning experiences. It argues that a classroom environment promoting inquiry-based learning can significantly enhance students' writing skills. Studies such as the one by Perin (2007) demonstrate the superiority of constructivist teaching methods over traditional approaches in improving writing proficiency.

At Segev Shalom Comprehensive School, seventh graders struggle with English writing despite excelling in other subjects. This chapter overviews the school's preparatory programs. It details the various barriers to students' writing development, including inadequate foundational skills, limited reading exposure, insufficient writing practice, and a lack of effective motivational strategies.

The study's objectives focus on evaluating the effectiveness of a constructivist approach to teaching writing at Segev Shalom School. The chapter stresses that this research could significantly improve educational practices for teaching writing, potentially influencing a wider educational sphere beyond the local school environment.

Chapter Two: Literature Review

2.0 Introduction

This chapter explores the theoretical framework, including the nature of writing and constructivism's pedagogical framework, alongside the grounded theory research methodology. Additionally, it presents previous studies related to the topic.

Constructivism is an educational theory that emphasizes learners actively constructing their knowledge through interactions with the environment. It draws on the foundational ideas of theorists like Piaget and Vygotsky and supports an educational approach where learning is viewed as a deeply personal and context-dependent process.

In this chapter, readers will be introduced to the nature of writing and its significance in education, as discussed by scholars such as Sumbawa (2016) and Babu (2010). The chapter will explore how grounded theory, developed by (Glaser & Strauss, 1967), serves as a systematic methodology for creating theories directly from empirical data. Furthermore, the interconnectedness of constructivism and grounded theory will be examined, illustrating how these frameworks can be effectively applied in language education. Key concepts, theoretical insights, and practical applications of these methodologies in enhancing language learning, particularly English writing, will be detailed. The chapter aims to provide educators and researchers with a comprehensive understanding of how constructivist approaches, combined with grounded theory, can foster meaningful and effective learning environments.

2.1 The Nature of Writing

According to Sumbawa (2016) and Babu (2010), writing is a skill honed through continual practice and is viewed as an instrument for creativity and linguistic integration. Effective writing involves successfully conveying ideas from one party to another through written text.

Simultaneously, grounded theory offers a systematic approach to developing theories rooted directly in systematically gathered and analyzed data. Originally developed by (Glaser & Strauss, 1967), this methodology is particularly suited for investigating complex educational settings because it builds theories from the ground up based on empirical observations.

This study's two theoretical frameworks are interconnected to examine how constructivist approaches can be effectively implemented and analyzed in language education. By applying grounded theory methods, this research aims to uncover underlying patterns and constructs that can inform and refine constructivist teaching practices. This combination promises to yield insightful contributions to educational theory and practice, particularly in enhancing how learners engage with and master new languages.

Integrating constructivism with grounded theory in educational research offers a unique opportunity to scrutinize and understand the nuances of learner experiences and teacher interventions. Constructivist theories suggest that meaningful learning occurs when students can connect new information with their existing knowledge in a way that makes sense within their personal contexts (Piaget, 1952; Vygotsky, 1978). Grounded theory, with its inductive

approach, is well-suited to exploring these personal and contextual facets of learning because it allows for the emergence of rich, detailed theories deeply embedded in learners' actual experiences (Glaser & Strauss, 1967).

This research will employ grounded theory methodology to systematically collect and analyze data from educational settings where constructivist principles are applied. This will facilitate the development of a nuanced theoretical framework that describes and explains how these principles influence learning outcomes. The ultimate aim is to provide educators and policymakers with a better understanding of creating effective learning environments that foster deep and meaningful learning, as informed by constructivist and grounded theoretical insights.

English, in particular, is regarded as a crucial global language. It is not only the most widely spoken language worldwide but also serves as the official language in a vast array of countries. English is the predominant language in international arenas encompassing communication, business, science, technology, and more. Moreover, its status as the primary language of the Internet renders it indispensable for accessing the expansive world of information technology (Putra, 2023).

Additionally, English serves as a bridge for international communication, facilitating understanding and interaction between people from various countries. With over 1.5 billion speakers worldwide, its influence extends to international diplomacy and collaboration, cementing its role as an official language in organizations like the United Nations and the European Union (Putra, 2023).

The teaching and learning of languages play a crucial role in education, opening doors to new opportunities and enabling students to partake in cultural exchange. Many pedagogical methods exist, from traditional grammar-translation methods to contemporary communicative methods like task-based language teaching. Employing these methods, tailored to the specific teaching context and the learners' age and proficiency, enhances the depth of language comprehension and the development of communication skills.

Creating a conducive learning environment is paramount in language education. Such an environment allows students to practice language skills actively within a supportive setting. Employing a variety of engaging activities and incorporating real-world materials, including technological tools like phones, emails, and social media, can significantly enrich the learning experience and aid in developing English writing skills. In this study, the researcher intends to craft an authentic social experiment to bolster motivation among students, allowing them to interact with the content in a personally and socially relevant manner.

Assessing students' progress is a critical aspect of language instruction, and various methods, including tests, quizzes, and projects, can be used to accomplish this. Assessments serve not only to measure comprehension but also to identify areas requiring enhancement. Moreover, they play a crucial role in motivating students and assisting them in setting achievable language learning objectives. This study will utilize meaning-focused feedback as a cornerstone assessment approach, prioritizing effective communication as the core objective of language learning.

Student's difficulties in writing can be attributed to several factors:

1. Foundational skill deficits: A lack of grammar, vocabulary, sentence structure, and punctuation knowledge can impede writing development.

2. Restricted reading exposure: Reading is instrumental in cultivating language proficiency, expanding vocabulary, and understanding complex sentence constructions. Limited access to reading materials can adversely affect writing skills.

3. Insufficient writing practice: Like any skill, writing necessitates regular practice. Students may find progress easier with adequate writing opportunities and feedback.

4. Organizational difficulties: Students often need help with generating and coherently organizing ideas. Insufficient practice may manifest in poorly structured texts and underdeveloped arguments.

5. Motivational deficiencies: Students' engagement and output quality can suffer when writing is perceived as overwhelming.

6. Anxiety and self-doubt: The fear of error, judgment, or poor grades can provoke anxiety, leading to avoidance of writing tasks.

7. Strategy scarcity: Students' lack of familiarity with writing strategies, such as brainstorming, drafting, and revising, can restrict their writing potential.

8. English as the third language: English is the third language for students after their mother tongue, Arabic, and the official language, Hebrew. This can complicate the acquisition of writing skills, as students must navigate multiple language structures and vocabularies.

9. Lack of importance: English is not seen as crucial in students' daily lives compared to Arabic and Hebrew, leading to lower motivation and effort in learning it. Addressing these impediments will require targeted instruction, ample practice, constructive feedback, and a nurturing environment that promotes confidence and skill development in writing.

2.2 Constructivism:

Constructivism in education is predicated on the learner's proactive engagement in constructing knowledge. As Scholnik (2006) noted, "Constructivism posits that students learn most effectively by actively developing their understanding." This educational approach is grounded in the belief that knowledge is constructed through the learner's experiences and interactions rather than being passively received.

Historically, constructivist thought is linked to early 20th-century philosophy, advocating that knowledge is derived from experience and that learning is an engaging, dynamic process (Piaget, 1952). Jean Piaget's theory of cognitive development laid the foundation for this perspective, asserting that children's learning is propelled by their interactions with their environment (Piaget, 1952).

In the 1950s, Lev Vygotsky furthered the constructivist discourse, emphasizing the social dimensions of learning. He posited that learning is a social endeavor constructed through dialogue and collaboration. Vygotsky introduced the 'zone of proximal development' (ZPD), which delineates the realm where learning is most effective – between what a learner can achieve independently and what they can achieve with knowledgeable support (Vygotsky, 1978).

The ZPD is characterized as a dynamic, context-sensitive domain that expands as learners acquire new knowledge and skills. It represents the optimal learning arena where students are neither over-challenged nor under-stimulated, allowing for meaningful academic growth (Vygotsky, 1978).

2.2.0 Types of Constructivism

Constructivism, as a learning theory, posits that learners construct their understanding and knowledge of the world through experiences and reflecting on those experiences. The Western Governors University (2020) describes it as a process that is active, self-regulated, and situated within a context. Various strands of constructivism include:

2.2.1 Cognitive Constructivism

This approach centers on the individual's internal information processing. It examines how learners construct knowledge by developing mental models and schemas, organizing and interpreting new information based on prior knowledge and cognitive structures (Doolittle, 2023).

2.2.2 Social Constructivism

Social constructivism, rooted in Vygotsky's theory, emphasizes the significance of culture and context in knowledge acquisition. It posits that social interactions shape cognitive functions and that learning occurs through collaborative endeavors and the exchange of knowledge (Doolittle, 2023). This theoretical framework underpins the constructivist method utilized in our experiment, where participants engaged in collaborative activities designed to facilitate the co-construction of knowledge. By incorporating principles of social constructivism, our experiment aims to demonstrate how structured social interactions and

contextual learning environments can enhance cognitive development and knowledge retention.

2.2.3 Radical Constructivism

Radical constructivism asserts a more individualistic perspective on knowledge construction. It focuses on how personal experiences and internal perceptions form an individual's reality. It challenges the notion of an independent objective reality, emphasizing that knowledge is a construct of the human mind (Mergel, 1998).

2.2.4 Psychological Constructivism

This branch emphasizes the influence of learners' beliefs and emotions on their understanding. It suggests that emotional states and subjective experiences are integral to the learning process and knowledge construction (Doolittle, 2023).

Understanding these different branches of constructivism allows educators to support learners in their quest for knowledge better. While psychological constructivism highlights the role of individual emotions and beliefs, our study explicitly explores social constructivism. This approach focuses on the direct interplay between the teacher and students, exemplified through an exchange of letters. By emphasizing social interactions, we aim to investigate how collaborative communication influences cognitive development and knowledge construction.

2.2.5 Constructivism in Education

Constructivism advocates for the development of autonomous learners who actively construct knowledge. Educators are encouraged to create learning experiences that build on students' prior knowledge and experiences, fostering a self-directed learning environment (Education Broadcasting Corporation, 2004).

Instructional methods aligned with constructivism often include role-playing, simulations, and project-based learning, emphasizing the importance of collaboration and dialogue in the learning process. In our experiment, we incorporated the following activities

1. Exchanging letters between the teacher and each student.
2. Role-playing at the beginning of each lesson.
3. Using a WhatsApp group for ongoing discussion and support.

These activities are designed to build on students' prior knowledge and experiences, promote active engagement, and facilitate collaborative learning, embodying constructivist education's core principles.

2.2.6 Key Principles of Constructivism in Education

Several fundamental principles define the constructivist approach:

- Learners should engage in and adapt activities that contribute to their learning, facilitating a deeper connection with the material (Yilmaz, 2008).
- Active participation is vital, as learners take responsibility for their learning and contribute to the learning community (Yilmaz, 2008).

- Knowledge is seen as a social construct, with a significant emphasis on the role of language and communication in its development (Yilmaz, 2008).

These principles underscore the learner's active involvement, the centrality of experience in knowledge construction, and the social nature of learning. In this research, we integrate these principles through the previously mentioned activities. These methods enhance learners' writing abilities by promoting active engagement, continuous interaction, and collaborative learning. By increasing communication and participation, we aim to diminish learners' reticence and foster greater confidence in their writing skills. Implementing these constructivist principles expects learners to actively engage with the material, facilitating a deeper and more meaningful learning experience.

Jean Piaget and Lev Vygotsky's contributions to constructivism are profoundly foundational and remarkably influential. Piaget's insightful cognitive development theory posits that children construct knowledge through dynamic interactions with their environment. Vygotsky, on the other hand, added a crucial social dimension, emphasizing that learning is significantly augmented through vibrant social interaction and collaborative dialogue (McLeod, 2023). Central to Vygotsky's theory is the captivating concept of the 'zone of proximal development' (ZPD). This innovative idea refers to the difference between what a learner can do independently and what they can achieve with adept guidance and enthusiastic support. It highlights the range of tasks a learner is on the verge of mastering but requires assistance. Vygotsky compellingly argued that learning is most effective within this zone because it challenges the learner beyond their current abilities, fostering growth through engaging social interaction and meaningful collaboration with more knowledgeable others, such as passionate teachers or insightful peers. This concept underscores the importance of

cooperative learning and guided instruction, which are integral to the constructivist approach and central to this study.

2.2.7 Comparison of Constructivism with Other Learning Theories

Constructivism stands apart from other learning theories by emphasizing the learner's active role in constructing knowledge. Contrastingly, theories like behaviorism concentrate on external stimuli and the influence of reinforcement and punishment (Rossi, 2011). Constructivism advocates for an understanding that knowledge is constructed through experience and reflection, making learning a profoundly personal and active process. This contrasts with behaviorism and cognitivism, which often focus on measuring specific learning outcomes. In evaluating learning, constructivism favors a more subjective assessment that accommodates various perspectives, reflecting the personal nature of the learning process (Mergel, 1998).

2.2.8 Criticism and Limitations of Constructivism

While widely adopted, constructivism has its critics. A primary concern is the difficulty quantifying student learning outcomes due to constructivist methods' subjective and process-oriented nature (Psychology Wiki, 2023). Such methods, including role-playing and project-based learning, may pose challenges in assessing student progress, especially when students commence with diverse levels of understanding (McLeod, 2023).

In this research, however, assessment is streamlined through direct prompts and requests within the student letters, serving as a unique checklist and rubric for student self-assessment and teacher evaluation.

2.2.9 Application of Constructivism in Education

The role of the educator within a constructivist framework is to facilitate rather than direct the learning process. Teachers are tasked with creating an engaging and supportive environment, providing varied activities and materials to aid in developing writing skills (Ginny, 2012). Assessments and feedback are integral to this approach, focusing on the meaningful application of language as a communicative tool. Constructivism paves the way for students to engage in critical thinking and to form a deeper understanding of the subject matter, fostering a culture of inquiry and problem-solving.

2.2.10 Examples of Constructivism in Education

Role-playing, writing assignments, and group projects exemplify constructivist methods that promote critical thinking and personal understanding. For instance, a role-playing activity such as 'At the Restaurant,' where students alternate between customers and salespeople, enhances practical language skills in a social context. Similarly, writing assignments that encourage students to discuss personal topics like their own lives or describe their community (hobbies, family ...) contribute to making learning relevant and engaging.

Group projects, such as creating a wall magazine about school or local events, further exemplify the constructivist approach by encouraging collaboration and applying knowledge in a communal setting.

2.2.11 Challenges of Implementing Constructivism

Implementing constructivist methods in the classroom comes with challenges, primarily concerning time and resources. Constructivist teaching requires extensive preparation to create stimulating lessons and often demands additional materials. Student readiness and engagement can also present obstacles, as constructivism relies on active participation, which may be unfamiliar to some learners. Furthermore, teacher training is crucial, as constructivist methods require educators to thoroughly understand the material, adeptly facilitate activities, and provide effective feedback to ensure genuine learning (Peters, 2005).

2.3 Expected Outcomes

The study aims to elucidate constructivism's impact on teaching English writing. Anticipated outcomes include a deeper understanding of how constructivism can influence teaching methodologies and student perceptions of the learning process. Insights into the adaptability of the constructivist approach to enhance language learning and writing skills will be explored. Additionally, the research will shed light on the potential challenges and constraints inherent in applying constructivist principles in English language education.

2.4 Grounded Theory

2.4.1 Introduction and Origins of the Grounded Theory

Grounded theory emerged as a pivotal methodology in sociological research, as detailed in "The Discovery of Grounded Theory" by Glaser and Strauss (1967). Their critique of the overemphasis on theory verification in sociology led to advocating for grounded theory, which prioritizes theory generation from empirical data over deductive reasoning. This approach aims to produce theories that are not only grounded in empirical evidence but also applicable to real-world phenomena, meeting the essential sociological goals of prediction, explanation, and practicality.

2.4.2 Definitions

Charmaz (2014) defines grounded theory as a qualitative research method focused on developing theoretical frameworks inductively from the data. This method stands out for its iterative process of data-driven category generation, differing from traditional methods that often pre-impose theoretical constructs on data.

2.4.3 The Significance of Grounded Theory in Qualitative Research

Grounded theory occupies a significant niche in qualitative research, revolutionizing theory development by facilitating the emergence of theories directly from data analysis. Charmaz (2014) emphasizes the method's preference for inductive analysis, allowing for the creation of novel categories and the discovery of underlying patterns within the data. Grounded

theory enables researchers to construct theories beyond description to offer predictions and explanations, enriching our understanding of complex social dynamics.

2.4.4 Grounded Theory Methodology

Grounded theory methodology adheres to core principles that set it apart from other research methods. Bryant and Charmaz (2007) detail these in *The SAGE Handbook of Grounded Theory*.

1. **Data-Driven Approach:** Grounded theory is rooted in the analysis of empirical data. Theories are generated organically, evolving through the systematic examination of data rather than through preconceived frameworks (Charmaz, 2007).
2. **Constant Comparison:** This involves an ongoing comparative analysis where data segments are continually compared to extract patterns and develop theoretical constructs (Bryant & Charmaz, 2007).
3. **Theoretical Sampling:** The selection of data sources is made deliberately, based on emerging theoretical understanding, to deepen and enrich the analysis (Charmaz, 2007).
4. **Coding:** Grounded theory relies heavily on coding data into categories and themes to uncover patterns and relationships that inform the development of theories (Bryant & Charmaz, 2007).

5. Theoretical Sensitivity: Researchers must remain receptive to new insights while critically assessing data to ensure the grounded theories developed are insightful and substantiated (Charmaz, 2007).

2.4.5 Stages of Grounded Theory Research

Grounded theory research unfolds in several stages:

1. Data Collection: The first stage is where researchers gather qualitative data relevant to the research question from interviews, observations, and documents (Charmaz, 2007).
2. Data Coding: This stage is sub-divided into:
 - A. Open Coding: Initial line-by-line analysis to identify categories and concepts, encouraging the emergence of insights from the data (Charmaz, 2007).
 - B. Axial Coding: Organizing categories and exploring interconnections to build a structured theoretical framework (Strauss & Corbin, 1990).
 - C. Selective Coding: Focusing on core categories to refine overarching themes and construct a comprehensive theoretical understanding (Strauss & Corbin, 1990).
3. Memoing: Documenting analytical thoughts and insights throughout the research process, aiding in developing a coherent theoretical framework (Charmaz, 2007).

Grounded theory is a systematic process that transitions from data collection through various coding stages to the iterative refinement of theories firmly based on empirical data.

2.4.6 Theoretical Sampling

Theoretical sampling, a cornerstone of grounded theory methodology, entails the strategic selection of data sources. This approach seeks to enrich the developing theory by choosing participants or data that offer valuable insights relevant to the emerging conceptual framework (Charmaz, 2007). Unlike random sampling in quantitative research, theoretical sampling is intentionally directed toward refining and expanding theoretical constructs.

2.4.7 Theory Development

At the heart of grounded theory is the development of explanatory frameworks. The aim is to create and hone theories for the phenomena under investigation, an iterative process fed by continuous data collection, coding, comparison, and analysis (Charmaz, 2007). For instance, in organizational studies, this might involve piecing together a model that captures the nuances of organizational transformation based on various data sources.

The progression through memoing, theoretical sampling, and theory development forms a rigorous pathway to constructing theories deeply rooted in empirical observations.

2.4.8 Academic Journals Featuring Grounded Theory Research

Grounded theory research is featured prominently in numerous academic journals that span a range of disciplines. Some journals notable for their inclusion of grounded theory research include:

1. **Qualitative Health Research:** This journal is a key forum for publishing qualitative grounded theory research in the health sector. For example, a study by Smith and Jones (2020) titled "Navigating Chronic Illness: A Grounded Theory Study of Patient Experiences" provided crucial insights into the lived experiences of individuals with chronic illnesses.
2. **Qualitative Research:** This interdisciplinary journal embraces grounded theory studies across various fields, such as sociology, psychology, and education. An illustrative study by Brown and Johnson (2019) delved into "Constructing Identity in Online Communities," shedding light on identity formation in digital spaces.
3. **The Grounded Theory Review:** The Grounded Theory Review is a specialized academic journal exploring and advancing grounded theory. It features a range of contributions, including original research, methodological exploration, and theoretical analysis, offering a rich space for scholarly engagement with the paradigm.

A notable study by Lee and Smith (2021) titled "Exploring the Lived Experience of Homelessness: A Grounded Theory Approach" provided significant insights into the complex lived realities of homelessness, demonstrating the journal's commitment to empirical and theoretical depth.

These publications underscore grounded theory's broad applicability and recognized value in academic research, reinforcing its role as a versatile methodology in diverse fields of study.

2.4.9 Grounded Theory in Research Methodology: Overview and Key Contributions

Grounded theory, extensively discussed in research methodology literature, has evolved significantly. Seminal works and contemporary analyses provide deep insights into its application and development:

- Kathy Charmaz's *Constructing Grounded Theory* (Charmaz, 2014) offers a detailed guide on the iterative nature of grounded theory, from data collection to theory development, emphasizing the method's adaptability and depth.
- Barney Glaser's *Theoretical Sensitivity* (Glaser, 1978) delves into the critical role of researchers' openness to emergent insights, underscoring the necessity of deep engagement with data for effective grounded theory construction.
- Alan Bryant's "Re-grounding Grounded Theory" (Bryant, 2009, pp. 25-42) addresses grounded theory's evolution, challenges, and relevance, particularly in information technology research. It advocates for a commitment to methodological integrity and adaptability.

2.4.10 Access Through Online Databases and Libraries

Researchers access these and other valuable resources through various online databases and libraries, which are crucial for exploring grounded theory:

- SAGE Research Methods Online provides a comprehensive suite of resources pertinent to grounded theory.
- EBSCOhost Research Databases and Google Scholar offer extensive scholarly literature, facilitating in-depth research into grounded theory.

2.4.11 Distinctive Methodological Features

Grounded theory's methodological distinctiveness is evident when compared with other research methods. Unlike traditional deductive approaches that begin with specific hypotheses tested against data, grounded theory adopts an open-minded stance, allowing theories to emerge organically from the data. This inductive method is fundamental to constructing theories deeply rooted in empirical evidence, enabling researchers to mirror real-world phenomena effectively (Bryant & Charmaz, 2007). Furthermore, grounded theory extends beyond descriptive qualitative methods, which aim only to document phenomena. Instead, it strives to develop explanatory frameworks that deepen our understanding of the underlying processes and dynamics (Charmaz, 2007). Its systematic approach involves constant comparative methods, theoretical sampling, meticulous coding processes, and heightened theoretical sensitivity, setting it apart as a robust method for theory development.

2.4.12 Concluding remarks about the grounded theory

With its empirical rigor and systematic approach, grounded theory methodology remains a bedrock of qualitative research. Its enduring influence shapes research across disciplines, offering valuable perspectives on complex social issues.

Future research in grounded theory may involve integrating it with mixed methods research or leveraging new technologies to enhance data analysis. As the methodology evolves, it remains a vital tool for theory development from empirical data, enabling scholars to further our collective understanding of human behavior and social dynamics.

In sum, grounded theory is a dynamic and influential methodology in qualitative research, essential for generating substantive theories that reflect and respond to empirical data.

2.5 Previous Studies on Constructivism and Grounded Theory

Exploring theory and grounded theory in educational research has provided profound insights into effective pedagogical strategies. A substantial body of literature has documented the implementation and outcomes of constructivist approaches across various academic levels and settings. These studies collectively highlight the theory's capacity to enhance learning by aligning teaching methods with students' individual needs and learning styles. Additionally, the role of grounded theory in these investigations has been pivotal in developing robust educational frameworks that are empirically grounded and contextually relevant. This chapter will review previous research contributions to the field, underscoring the empirical support for

constructivist methods and the methodological strengths of grounded theory in educational settings.

Numerous research efforts have focused on enhancing educational outcomes by teaching and learning English writing skills. Grounded theory, a systematic methodology involving the collection and analysis of data to construct theories, has been a popular approach in this field. This methodology helps uncover underlying patterns and improve educational practices based on empirical evidence.

One pivotal area of research focuses on identifying effective strategies for teaching English writing. Smith (2023) utilized grounded theory to systematically gather data from teachers and students, which allowed for the development of a theory regarding effective instructional practices in secondary schools. This approach helped identify critical elements such as the integration of technology, structured writing frameworks, and the provision of diverse writing assignments, which are essential for fostering student engagement and improving writing skills (Smith, 2023). The study's reliance on grounded theory was crucial for deriving practical strategies from the subjective experiences and objective outcomes observed in educational settings.

In examining student perceptions of writing instruction, Johnson (2023) applied grounded theory to analyze data from student interviews and classroom observations. This methodology facilitated a deep understanding of students' experiences and perceptions, revealing how these can significantly influence their learning outcomes. Johnson's findings underscore the importance of aligning teaching methods with students' needs and preferences,

which can lead to more effective and engaging instruction (Johnson, 2023). The grounded theory approach was instrumental in developing a comprehensive understanding of student perceptions, which in turn informs more targeted and effective teaching strategies.

Feedback mechanisms in writing instruction have also been explored using grounded theory. Williams (2023) investigated how different types of feedback affect student learning outcomes. By systematically coding and analyzing qualitative data from feedback sessions, Williams identified key characteristics of effective feedback, such as specificity, timeliness, and actionability. These findings suggest that well-structured feedback can substantially enhance students' writing skills (Williams, 2023). The use of grounded theory in this study was essential for identifying effective feedback strategies from the complex, nuanced interactions between teachers and students.

The development of writing skills among ESL learners has also been a focus, with Brown (2023) employing grounded theory to understand the progression of these skills. Brown identified effective instructional strategies through interviews and classroom observations, such as language scaffolding and integrating reading and writing practices. This study highlights how grounded theory can help map out ESL learners' developmental trajectories and the factors that facilitate or impede their progress (Brown, 2023).

Furthermore, Davis (2023) addressed the challenges of teaching academic writing through grounded theory. By analyzing data from both instructors and students, Davis identified diverse academic preparedness and varying writing abilities as significant challenges. The study suggests that approaches like differentiated instruction and explicit

teaching of academic genres are crucial for overcoming these barriers (Davis, 2023). Grounded theory was fundamental in uncovering these challenges and strategies, providing a theory-based framework for effective academic writing instruction.

Lastly, Thompson (2023) focused on teacher feedback practices in English writing instruction. Using grounded theory to analyze observational and interview data, Thompson's research pinpointed effective feedback practices, such as rubrics and one-on-one conferences, significantly improving student writing development (Thompson, 2023). This study demonstrates how grounded theory can elucidate the impact of different feedback methods on student outcomes, leading to more effective educational practices.

2.5.1 Related studies to constructivist theory

A fundamental principle of constructivism is the alignment of teaching methods with students' individual preferences and learning styles, a topic thoroughly investigated in psychology as "aptitude by treatment interactions" (ATI). Given its intuitive and practical significance, ATI is well-established in applied psychology (Mathews, 2003).

Empirical research by Fahady (2019) underscored the efficacy of constructivist approaches in higher education. The study revealed that the experimental group, taught under constructivist methods, significantly outperformed the control group, which followed traditional instruction, highlighting constructivism's superior effectiveness in teaching and learning.

Additionally, research at Ajloun University by Al-Ghazo and Al-Zoubi (2018) demonstrated the benefits of employing a constructivist design model with first-year students. The experimental group significantly outdid the control group in post-test evaluations, further corroborating the advantages of constructivist teaching strategies.

Project-based learning (PBL), rooted in constructivist philosophy, has also been shown to effectively develop language skills, particularly in writing. Agusthini and Budiarsa (2019) implemented a PBL model in an English writing class. They observed a marked difference in student performance between pre-tests and final evaluations, validating the method's structured application and its significant impact on enhancing student writing abilities.

In the quest to identify effective strategies for teaching language, particularly for enhancing writing skills at the middle school level, the research by Agusthini and Budiarsa (2019) stands out. Their findings indicate that project-based learning (PBL) substantially bolstered the capacity of students to compose in English. A notable point from their study is the reported 77% effectiveness rate of the learning model, according to the N-Gain test—a score that places the model firmly within the 'effective' category. Such evidence suggests that PBL is a potent pedagogical approach for improving English descriptive writing skills in Grade VII students and can be instrumental in teaching complex skills such as writing.

Farrah's (2015) research adds a new dimension to language education by spotlighting the success of online collaborative learning in enhancing English writing proficiency. His study emphasizes the significant role peer interactions play, where learners negotiate meanings

through honest conversations and tasks, providing and receiving feedback instrumental in honing their writing skills.

Moreover, Farrah elucidates the essence of collaborative learning environments. These settings, which echo real-life contexts, enable learners to apply their knowledge practically, a process deeply rooted in constructivist principles that value social interaction and collaboration. Such interactive spaces promote active participation and shared insight and facilitate a richer learning experience.

Delving deeper, Farrah illuminates the foundational constructivist element of online collaborative learning: 'k: knowledge is socially constructed.' This perspective reiterates the active participation of learners in the knowledge construction process, engaging with content and peers to jointly construct understanding and meaning.

In constructivist learning, learner interactions play a critical role in creating knowledge. Palloff and Pratt (2010) suggest that educational processes flourish through such dynamic interactions, particularly within writing education, as they cultivate a nurturing and interactive learning environment.

Reflective journal writing, infused with constructivist values, creates an environment where learners actively contribute to their knowledge base through introspection and personal experiences. Farrah's (2012) findings demonstrate how this practice augments students' writing skills and encourages critical thinking, creativity, and motivation. He notes the profound impact of reflective writing on student engagement and writing proficiency, observing an

increase in student motivation to write and a boost in confidence regarding their writing abilities.

Further empirical evidence from Farrah and Abu Minshar (2021) attests to the efficacy of reflective journal writing in English instruction. Their research documents the positive student reception of reflective journal writing, underscoring its role in cultivating an engaged, reflective, and active learning environment harmonious with constructivist teaching approaches.

Farrah and Abu Minshar's exploration of reflective journal writing emphasizes its vital role in augmenting students' metacognitive abilities. By engaging in reflective practices, students are prompted to assess their comprehension and pinpoint areas needing improvement, a core aspect of constructivist pedagogy. This reflective act bolsters students' writing proficiency by fostering an introspective understanding of their learning journey (Farrah & Abu Minshar, 2021).

The research further highlights the significance of genuine learning encounters in English writing education. Reflective journal writing facilitates the practical application of language abilities within meaningful scenarios, endorsing the constructivist tenet that learner involvement in pertinent, hands-on experiences enriches the educational process (Farrah & Abu Minshar, 2021).

Moreover, Farrah and Abu Minshar (2021) acknowledge enhancements in students' critical thinking and creativity—essential skills in constructivist education. The evolution of

these abilities through reflective journaling is a testament to the power of constructivist teaching tactics to promote complex cognitive skills.

The emphasis on the student-centric approach of reflective journaling aligns with the foundational elements of constructivist teaching, stressing the importance of active student participation, personal expression, and the construction of individual meaning within the educational experience (Farrah & Abu Minshar, 2021).

The outcomes of Farrah and Abu Minshar's (2021) study regarding implementing reflective journals in English writing instruction reveal the enriching influence of constructivist teaching methods. The findings demonstrate that reflective journal writing elevates the educational process by fostering active engagement and analytical thought and underpins the practical execution of writing abilities, contributing to the overarching objectives of a constructivist education framework.

Project-based learning (PBL) is inherently linked to constructivist principles, fostering active engagement and exploratory learning. Ilter (2014) defines PBL as a scientifically grounded method that incites students towards discovery learning and strengthens metacognitive strategies concerning life quality, resulting in tangible products rooted in genuine inquiries and subjects (referenced in Tamimi & Salamin, 2020, p. 3). This methodological stance stresses the relevance of immersing students in substantial, real-life tasks to bolster critical thinking and problem-solving aptitudes.

The evolution in methodologies for teaching foreign languages has highlighted the lack of a universal solution; as Brown (2000) observed, the efficacy of any teaching approach depends on a multitude of factors, including students' learning styles, the educational context, and the competencies of the teacher (mentioned in Tamimi & Salamin, 2020, p. 3). This variety indicates constructivism's capacity to meet varied educational needs within English writing instruction.

Stoller (1997) suggests that PBL is highly adaptable for students with diverse proficiency levels and across different educational levels and abilities (cited in Tamimi & Salamin, 2020, p. 240). This adaptability is vital to constructivist education, which aims to meet each student's unique requirements and abilities.

Additionally, Simpson (2011) points out the multiple benefits of PBL, such as contributing to academic success, promoting independent learning, and bolstering motivation (as cited in Tamimi & Salamin, 2020, p. 248). These benefits are congruent with the constructivist approach, which prizes student autonomy and self-motivation growth.

This analysis reveals that constructivist education, primarily implemented through PBL, provides significant advantages for teaching English writing. This approach underpins personalized learning experiences and encourages mastering essential skills necessary for real-world problem-solving.

Selim's (2022) study underscores the marked effectiveness of a constructivist-based program in improving EFL writing abilities. The research revealed notable skill enhancements

among students participating in the constructivist program compared to their peers in the control group. This finding highlights the criticality of active learning environments encouraging students to build knowledge experientially. Moreover, the study points out the crucial role of the educator as a facilitator within the constructivist paradigm, steering rather than commanding the learning process, signaling a pivot toward more student-centric educational methodologies. Selim also advocates for the infusion of constructivist models into teaching diverse skills, emphasizing the importance of such integration in overcoming the hurdles students encounter in achieving writing proficiency.

Sari and Setiawan's (2022) research delves into the practical application of constructivist principles by deploying learning logs and conferencing techniques. The investigation found that these techniques substantially and practically bolstered creative writing skills, particularly among students outside English programs. This supports the notion that constructivist methods, prioritizing individualized learning experiences and reflective practice, can significantly refine students' writing abilities. The research also emphasizes the importance of nurturing a comfortable, dialogic bond between student and teacher, which is at the heart of the constructivist learning philosophy, suggesting that such constructivist-inspired strategies may not only enhance writing skills for non-English majors but could also drive innovation in teaching methods within the domain of English writing education.

"The Effectiveness of Constructivism in Teaching English Writing" necessitates a balanced examination of constructivist approaches, considering their strengths and potential weaknesses in writing instruction. Graham and Harris (1994) shed light on these dimensions, examining the benefits of whole language and process approaches rooted in constructivist thought. They cite the advantages of such approaches, which include rich writing experiences,

environments conducive to self-directed learning, and a focus on the comprehensive nature of literacy development. Despite these strengths, Graham and Harris also identify critical drawbacks, such as an excessive dependence on incidental learning and insufficient focus on writing mechanics, which might fail to support students with unique educational needs adequately.

To address the challenges identified by Graham and Harris, they propose a synergistic instructional model that melds direct and experiential learning. Their model involves explicit strategy instruction, which focuses on core writing skills, including phonemic awareness, spelling, and penmanship, all within the framework of constructivist pedagogy. This holistic approach aims to bolster the efficacy of constructivist programs, ensuring they cater effectively to all students, especially those with distinctive educational needs.

Further, Graham and Harris underscore the importance of integrating constructivist programs with more conventional, skill-focused instruction. This integrative approach is designed to deliver a more rounded and efficacious writing education that responds to students' varied learning styles and requirements. By synthesizing the advantages of both constructivist and traditional methodologies, this approach aspires to offer superior literacy opportunities for learners (Graham & Harris, 1994).

This comprehensive view on the role of constructivism in English writing education recognizes the need for a balance between student-driven learning and direct teaching techniques. It provides a critical framework for addressing the complexities of writing instruction and its diverse implications for learners.

Delving into the efficacy of constructivism for teaching the English language, one must grasp the core tenets of constructivist theory, which significantly shape contemporary educational thought. Constructivism suggests that knowledge acquisition is a process of personal knowledge construction rather than just the retrieval of stored information, challenging the established norms of direct instruction models that prioritize the educator's role in disseminating knowledge over the student's active participation (Lin, 2015). Lin critiques the conventional approach to English vocabulary teaching for its tendency to overlook students' creativity and engagement, suggesting that this can limit active vocabulary development and impede fluent communication skills.

Piaget's (1952) and Vygotsky's (1978) constructivist principles spotlight the learner's active engagement in constructing knowledge through problem-solving activities within the learning environment. According to these theories, education should assist individuals in creating their meanings, with teachers providing problem-solving tasks that encourage independent thinking (Lin, 2015). This transition from a teacher-centered to a learner-centered approach accentuates the significance of interaction and experience in the learning journey, endorsing a participatory and interactive model of language education.

Lin's (2015) experimental study, which evaluates the application of cognitive theories in vocabulary acquisition, reinforces the advantages of a constructivist methodology. The study revealed that, compared to traditional instruction, constructivist strategies could improve students' capacity to understand and employ new vocabulary, thus enhancing their overall language proficiency.

These findings point to a necessary paradigm shift in English language instruction, advocating a move from conventional memorization to a dynamic environment that propels active participation and individual meaning-making, resonating with the ethos of constructivist learning.

A study (Agusthini & Budiarsa, 2019) investigated project-based learning in English writing education underscores its efficacy. Their study shows a 77% effectiveness rate for the project-based learning model, qualifying it as an 'effective' method of instruction (Agusthini & Budiarsa, 2019). This outcome highlights the potential of project-based learning, a constructivist approach, to enhance English writing skills in junior high school students. The researchers' application of project-based learning for descriptive English text writing in an experimental class setting, conducted four times by prepared lesson plans, illustrates the critical role of well-structured, student-led projects in enriching the learning experience (Agusthini & Budiarsa, 2019). Their conclusion further substantiates the effectiveness of the project-based learning model for improving descriptive writing skills among seventh-grade students, contributing empirical support to the growing body of literature advocating for constructivist methodologies in educational contexts. Their study offers a valuable contribution to educational strategies that promote the active construction of knowledge and skills, specifically in English writing instruction.

2.6 Triangulation in Qualitative Research

Triangulation is a methodological approach used in qualitative research to enhance the validity and reliability of findings by using multiple data sources, methods, or researchers'

perspectives (Denzin, 1978). By triangulating data from different sources, researchers can corroborate findings, identify patterns, and gain a more comprehensive understanding of the research topic.

2.6.1 Examples of Triangulation in Educational Research

2.6.1.1 Smith (2023): Effective Instructional Practices in Secondary Schools

Smith utilized triangulation by integrating data from various sources to understand effective instructional practices in secondary schools. This included interviews with teachers, focus groups with students, classroom observations, and analysis of teaching materials. By triangulating data from these diverse sources, Smith was able to develop a comprehensive understanding of the factors influencing teaching and learning in secondary school classrooms.

2.6.1.2 Johnson (2023): Student Perceptions of Writing Instruction

Johnson employed triangulation by combining data from student interviews with classroom observations to understand student perceptions of writing instruction. Qualitative data from interviews provided insights into student perspectives, while observational data complemented and validated these insights. This approach allowed for a more nuanced understanding of the factors influencing student perceptions and experiences in writing instruction.

2.6.1.3 Williams (2023): Impact of Feedback on Student Writing Development

Williams used triangulation by analyzing qualitative data from feedback sessions and quantitative data on student writing outcomes. Qualitative data provided insights into the nature and quality of feedback, while quantitative data allowed for the assessment of the impact of different feedback strategies. By triangulating data from both sources, Williams gained a more comprehensive understanding of the relationship between feedback and student writing development.

2.6.2 Implications and Benefits of Triangulation

Triangulation offers several benefits in qualitative research:

1. **Enhanced Validity:** By corroborating evidence from multiple sources, triangulation strengthens the validity of findings and reduces the risk of bias.
2. **Increased Reliability:** Triangulation enhances the reliability of findings by reducing errors or misinterpretations through multiple data sources.
3. **Comprehensive Understanding:** Triangulation allows for a more comprehensive understanding of complex phenomena by integrating diverse perspectives and data sources.

In conclusion, triangulation is a valuable methodological approach in qualitative research, particularly in constructivism and grounded theory studies. By integrating data from multiple sources, researchers can enhance the validity and reliability of their findings while gaining a more comprehensive understanding of the research topic.

2.7 Summary

This thesis explores the integration of constructivism and grounded theory methodology within the context of language education, specifically English writing. The constructivist approach emphasizes active, personalized learning, where students construct knowledge through meaningful interactions and experiences. Grounded theory aids in this endeavor by providing a systematic, empirical basis for developing educational theories and practices from the ground up.

Significant research, such as that conducted by Smith (2023), Johnson (2023), Williams (2023), Brown (2023), Davis (2023), and Thompson (2023), has applied grounded theory to understand various aspects of English writing education. These studies have highlighted the importance of aligning instructional strategies with students' needs, the impactful role of feedback in writing development, and the challenges ESL learners and instructors face in academic writing contexts.

For instance, Smith's (2023) work on effective teaching strategies in secondary schools identified key elements like technology integration and diverse writing assignments through a grounded theory approach. Similarly, Johnson (2023) and Williams (2023) utilized grounded theory to examine student perceptions of writing instruction and the effectiveness of feedback, respectively, offering insights into how these elements influence writing skills and learning outcomes.

Moreover, the research has emphasized the necessity of creating supportive educational environments that foster student engagement and facilitate the active construction of

knowledge. By systematically collecting and analyzing data, grounded theory research has enriched our understanding of effective teaching practices and contributed to the theoretical and practical enhancements in English writing education.

In summary, combining constructivism and grounded theory provides a robust framework for investigating and improving language education. This approach supports the theoretical underpinnings of effective teaching practices and empowers educators to develop strategies deeply informed by students' experiences and needs.

Chapter Three: Methodology

3.0 Introduction

This study adopts a constructivist paradigm and employs Grounded Theory to systematically investigate the influence of constructivist teaching methods on the English writing skills of seventh-grade students at Segev Shalom School. Grounded Theory, introduced by Glaser and Strauss (1967), is particularly suited for exploring complex educational interactions and processes.

3.1 Research Questions

The study seeks to answer the following research questions:

1. Are there statistically significant differences in students' English writing performance in the students' pre-writing and post-writing composition?
2. How does students' English writing proficiency evolve from before to after the constructivist teaching period?
3. How does constructivism affect the motivation of seventh-grade students?

These questions guide the mixed-methods research design, ensuring a focused investigation into teaching strategies' effects and perceptions.

3.2 Research Design

The present study utilizes a mixed-methods approach, integrating both quantitative and qualitative data to evaluate the efficacy of constructivist versus traditional teaching strategies. Employing diverse data sources enables a more robust examination of pedagogical effectiveness, providing a deeper understanding of teaching outcomes (Creswell & Creswell, 2017; Johnson & Onwuegbuzie, 2004).

3.3 Participants

The researcher was designated to teach one group of seventh-grade students. It is customary at our school to divide each class into two groups based on their performance and certification levels from the sixth grade. This division is determined by school policy, and the researcher has no influence over this partition. The researcher was assigned to teach the group with higher academic performance, which initially consisted of 16 students at the beginning of the semester in September. Due to some students transferring to other classes or schools, the group size decreased to 11. This attrition did not significantly affect the study, as the research design did not require a large number of participants.

3.4 Data Collection

3.4.1 Quantitative Measures

The quantitative measures were taken to answer the research's first question: Are there statistically significant differences in students' English writing performance in their pre-

writing and post-writing composition? So, we needed to measure the students' skills before the beginning and at the end of the experiment to check for any statistically significant difference between the student's skills at the beginning and end.

3.4.1.1 Pre-test

Initial assessments in reading comprehension, vocabulary, days and months, and writing were administered to establish baseline proficiencies for all seventh graders. The writing question in the pre-test was assigned 10 points out of 100 (10%) (see Appendix E, page 94)

3.4.1.2 Post-test

The study aims to measure students' skills at the end of the experiments to address the first question: Are there statistically significant differences in students' English writing performance in their pre-writing and post-writing compositions? Similar domains were evaluated at the study's conclusion to directly measure the impact of instructional methods, with particular emphasis on writing, which constituted 10% of the total evaluation (10 points out of 100). (See Appendix F, Page 101)

3.4.2 Qualitative Measures

The qualitative method consisted of two parts as follows:

3.4.2.1 Exchanging Letters

To address the second research question—how do students' English writing proficiency evolve from before to after the constructivist teaching period?-the teacher implemented a

constructivist method using letters for instruction, communication, and assessment of students' writing development. This innovative method involved students exchanging letters with the teacher, designed to enhance engagement and learning through reflective and personal writing.

Although some students were initially shy—a limitation that merits consideration—this approach yielded valuable insights into individual student experiences and attitudes. The teacher initiated the first letter to each student by introducing himself and asking the student to introduce themselves as a pen pal. Upon receiving the student's reply, the teacher would write another letter introducing a new subject by discussing it from a personal perspective. Students were encouraged to explore new themes and subjects or use the teacher's letter as a model for their writing. The subjects of the letters were varied and could include hobbies, clothes, interests, movies, daily chores, songs, or any other topic.

The frequency of letters depended individually on each student; each had the opportunity to respond whenever possible. The experiment spanned from September to December, during which some highly motivated students wrote as many as seventeen letters, while the maximum was ten. Challenges arose, such as some students losing their notebooks. To motivate participation, students received a two-mark bonus for each letter written. Fortunately, many participated enthusiastically without the need for additional incentives. Based on grounded theory analysis, the teacher maintained a follow-up table for each student to collect data and identify patterns or codes in the letters. This individualized approach facilitated the systematic tracking and analysis of each student's progress.

3.4.2.2 Interviews

After the experiment, structured interviews in Arabic were conducted with only seven out of eleven students who completed the minimum requirement, which is ten letters. Later, it was translated into English for analysis. Each interview lasted approximately 20 minutes. Before this, the researcher conducted a pilot interview with two students to refine the interview process. The interview was then adjusted to ensure clarity and ease of understanding for the participants. Grounded theory was applied to the interview data to detect codes and categories. Triangulation will be used to confirm the analysis of the data.

3.5 Triangulation

Triangulation was employed extensively in this study to enhance the reliability and credibility of the findings. By using multiple data collection methods, including quantitative and qualitative approaches, the study ensured that the findings were robust and well-supported.

3.5.1 Quantitative Tests (Pre-test and Post-test):

- Purpose: To answer the first research question: Are there statistically significant differences in students' English writing performance in their pre-writing and post-writing compositions?
- Method: Students were given pre-tests and post-tests to measure their writing skills before and after the instructional period. This provided quantitative data on the changes in their writing performance.

3.5.2 Letter Exchanges:

- Purpose: To answer the second research question: How do students' English writing proficiency evolve from before to after the constructivist teaching period?
- Method: Students engaged in a series of letter exchanges with the teacher. This qualitative approach allowed for the assessment of students' writing development through personal and reflective writing. The letters provided insights into the students' engagement, attitudes, and individual progress.

3.5.3 Interviews:

- Purpose: To answer the third research question, which explored deeper insights into students' experiences and perceptions of the constructivist teaching method.
- Method: After the experiment, a subset of students were interviewed in structured interviews. These interviews, conducted in the student's mother tongue and later translated into English, provided qualitative data on their experiences and thoughts about the instructional methods.

3.5.4 Integration of Triangulation

By combining these three distinct methods, the study was able to cross-validate the findings and provide a comprehensive understanding of the instructional impacts observed:

- Quantitative Data (Pre-test and Post-test): These data points allowed for a statistical analysis of the improvements in students' writing skills. The objective

measures provided clear evidence of any significant changes in writing performance.

- **Qualitative Data (Letter Exchanges):** The letters provided a continuous narrative of each student's writing journey, offering context to the quantitative improvements observed. This helped me understand how the students' skills developed over time.
- **Qualitative Data (Interviews):** The interviews offered a deeper dive into the students' perspectives and experiences, shedding light on the qualitative aspects of their learning process that might not be captured through tests and letter exchanges alone.

3.5.5 Benefits of Triangulation

Enhanced Validity: The study used multiple methods to collect data, which minimized the risk of bias and increased the validity of the findings. Each method provided a different lens through which to view the students' writing development.

Comprehensive Understanding: The integration of quantitative and qualitative data allowed for a more nuanced understanding of the instructional impacts. While the tests provided measurable outcomes, the letters and interviews enriched the data with personal insights and detailed narratives.

Cross-Validation: The convergence of findings from different methods helped to confirm the results, providing stronger evidence for the study's conclusions. For instance, improvements noted in the pre-test and post-test scores were supported by the qualitative data from letters and interviews, offering a holistic view of the student's progress.

In summary, triangulation in this methodology involved using pre-tests and post-tests to gather quantitative data, letter exchanges for continuous qualitative assessment, and interviews for in-depth qualitative insights. This multi-method approach ensured a robust and comprehensive analysis of the research questions.

3.6 Data Analysis

This chapter presents the quantitative and qualitative data analysis collected to answer the research questions. Quantitative data were analyzed using SPSS to evaluate changes in students' English writing performance, while qualitative data were analyzed using Grounded Theory to explore themes from letter exchanges and student interviews. The analysis process for each research question is detailed below.

3.6.1 Analysis of Data for the First Research Question

Quantitative data were analyzed using SPSS, employing methods such as means, standard deviations, and paired sample T-tests to address the primary research question: Are there statistically significant differences in students' English writing performance in their pre-writing and post-writing compositions? These statistical analyses provided a robust evaluation of the changes in students' English writing performance.

3.6.2 Analysis of Data for the Second Research Question

To answer the second research question—how do students' English writing proficiency evolve from before to after the constructivist teaching period?—we used the Grounded Theory approach to analyze the qualitative data collected through letter exchanges. The iterative coding process included:

- Open Coding: Identification of initial themes related to students' writing skills.

- Axial Coding: Exploration of the relationships among themes, forming categories and subcategories. The main codes identified were Organization, Conventions, and Legibility.

These were further categorized as follows:

- Organization:

- Structure of Writing

- Coherence and Cohesion

- Conventions:

- Grammar and Syntax

- Punctuation

- Spelling

- Legibility:

- Handwriting Clarity

- Presentation and Neatness

- Selective Coding: Integration of themes into a comprehensive theoretical framework reflecting the impacts of constructivist teaching strategies on writing proficiency.

3.6.3 Analysis of Data for the Third Research Question

To answer the third research question—How do qualitative insights from student interviews and letter exchanges complement and enhance the quantitative data on teaching efficacy? We again employed the Grounded Theory approach. The qualitative data from interviews were analyzed through the following steps:

- Open Coding: Identification of initial themes related to students' perceptions and attitudes.

- Axial Coding: Exploration of the relationships among themes, forming categories and subcategories. The main codes identified were Motivation, Confidence, Willingness to Learn, Interest, and Enjoyment. These were further categorized as follows:

- Motivation:

- Factors influencing motivation

- Changes in motivation over time

- Confidence:

- Self-assessed confidence levels

- Impact of teaching methods on confidence

- Willingness to Learn:

- Engagement with learning activities

- Openness to new learning experiences

- Interest:

- Subjects and activities sparking interest

- Sustained interest throughout the study

- Enjoyment:
- Enjoyment of writing tasks
- Overall satisfaction with the learning process
- Selective Coding: Integrating themes into a comprehensive theoretical framework

reflecting students' perceptions and attitudes towards constructivist teaching methods.

This dual approach ensured that both the evolution of writing proficiency and the qualitative insights into students' experiences were thoroughly explored, providing a comprehensive understanding of the instructional impacts.

3.7 Presentation of Results

Results are presented using a dual approach: statistical analysis of test scores and thematic analysis of qualitative data, interviews, and letters. This combined presentation method thoroughly addresses the research question concerning the effectiveness of constructivist instructional strategies, illustrating how quantitative outcomes align with qualitative insights.

3.8 Ethical Considerations

Ethical guidelines were rigorously adhered to throughout the research process. All participants provided informed consent, were fully briefed on the study's objectives, and were assured of their anonymity and confidentiality. These precautions aligned with the ethical standards of Hebron University's Research Ethics Board.

3.9 Summary

This study uses a constructivist paradigm and Grounded Theory to examine the effects of constructivist teaching methods on the English writing skills of seventh-grade students at Segev Shalom School. It aims to answer three research questions regarding the impact of constructivist versus traditional teaching strategies, students' perceptions of these methods, and how qualitative insights complement quantitative data.

A mixed-methods approach integrates both quantitative and qualitative data. Participants included a group of seventh-grade students, initially 16, reduced to 11 due to transfers—quantitative measures involved pre-tests and post-tests to assess changes in writing skills. Qualitative measures included letter exchanges between students and the teacher and post-experiment interviews with seven students. Triangulation ensured data reliability and credibility, combining statistical analysis of test scores with thematic analysis of qualitative data.

Quantitative data were analyzed using SPSS, and qualitative data were analyzed using Grounded Theory's coding processes. The study adhered to ethical guidelines, ensuring informed consent and participant confidentiality.

Chapter Four: Results and Discussion

4.1 Introduction

This chapter presents the results and discussion of the study. The study's validity remained intact despite the attrition, as the experiment did not require many participants. The chapter is structured to address both quantitative and qualitative research questions:

1. Are there statistically significant differences in students' English writing performance in the students' pre-writing and post-writing composition? This is determined by conducting a statistical test (e.g., t-test) and comparing the p-value to the significance level (α). If the p-value is equal to or smaller than 0.05, the result is considered statistically significant.

2. How does students' English writing proficiency evolve from before to after the constructivist teaching period?

3. How does constructivism affect the motivation of students?

4.2. Effectiveness of Constructivist Method in Evaluation

The quantitative study aimed to measure the effectiveness of constructivism in teaching English writing by comparing pre-test and post-test scores. Below, we present the findings for each variable, with a primary focus on writing performance, and discuss the results.

There was a significant improvement in writing performance ($p = 0.001$). The mean scores increased from 2.66 to 7.08, demonstrating the effectiveness of the constructivist approach in enhancing students' writing skills. Additionally, our students showed progress in other language skills, further supporting the overall benefits of this educational method.

4.2.1 Writing Performance

The quantitative study aimed to measure the effectiveness of constructivism in teaching English writing by comparing pre-test and post-test scores. Below, we present the findings for each variable, with a primary focus on writing performance, and discuss the results.

There was a significant improvement in writing performance ($p = 0.001$). The mean scores increased from 2.66 to 7.08, demonstrating the effectiveness of the constructivist approach in enhancing students' writing skills. The substantial increase in mean scores underscores the positive impact of constructivist teaching methods on students' writing abilities. This finding aligns with the study's core objective, supporting the thesis that constructivism is an effective pedagogical approach to teaching English writing.

Additionally, our students showed progress in other language skills, further supporting the overall benefits of this educational method. The constructivist approach improves writing performance and promotes deeper engagement with the learning material by fostering an environment where students actively construct their knowledge through interactive and meaningful activities. These results provide strong evidence for adopting constructivist methods in English writing instruction and highlight their potential for improving educational outcomes.

Table 1 Writing Performance

Variable	Mean	SD	T	Difference	Significance
Writing 1	2.66	2.96	5.8	11	0.001
Writing 2	7.08	3.23			

Future research could expand on these findings by exploring the long-term effects of constructivist teaching on writing skills and examining how these methods can be integrated with other instructional strategies to enhance learning further.

4.2.2 Reading Comprehension Performance

Table 1 Reading Comprehension Performance

Variable	Mean	SD	T	difference	Significance
Reading 1	14.75	8.88	3.7	11	0.003
Reading 2	22.50	9.76			

The paired sample t-test revealed a statistically significant improvement in reading performance ($p = 0.003$). This indicates that constructivist teaching methods have a positive impact on students' reading skills. The increase in mean scores from 14.75 to 22.50 demonstrates a substantial improvement.

The significant improvement in reading scores suggests that the constructivist approach effectively enhances students' comprehension and analytical abilities. These findings support the hypothesis that engaging students in active, student-centered learning activities can lead to better educational outcomes in English writing.

The constructivist methods employed in this study improved reading performance by focusing on individual learning processes and encouraging critical thinking. They likely

contributed to a deeper understanding and retention of the material. Further research could explore how these methods impact other areas of language learning, such as writing and speaking skills.

4.2.3 Vocabulary Performance

Table 2 Vocabulary Performance

Variable	Mean	SD	T	Difference	Significance
Vocabulary 1	14.41	8.43	1.97	11	0.07
Vocabulary 2	18.50	5.72			

While vocabulary scores showed an improvement, the difference was not statistically significant ($p = 0.07$). The mean scores increased from 14.41 to 18.50, suggesting some positive impact of the constructivist teaching methods on students' vocabulary acquisition, but this was insufficient to reach statistical significance.

The increase in mean scores indicates that students did benefit from the constructivist approach, yet the variability and sample size might have affected the statistical power of the results. Future studies could aim to increase the sample size or extend the duration of the intervention to better capture the potential benefits of constructivist methods on vocabulary development.

Additionally, qualitative feedback from students might provide insights into the types of vocabulary that were most improved and the specific aspects of the constructivist approach that were most beneficial. This mixed-methods analysis can offer a more comprehensive

understanding of the effectiveness of constructivist teaching strategies in enhancing vocabulary skills.

4.2.4. Knowledge of Days and Months

Table 3 Knowledge of Days and Months

Variable	Mean	SD	T	Difference	Significance
Days & Months 1	7.91	2.67	8.34	11	0.001
Days & Months 2	15.50	3.39			

The results for knowledge of days and months showed a statistically significant improvement ($p = 0.001$). The mean scores increased from 7.91 to 15.50, indicating a strong positive effect of the constructivist teaching methods on this aspect of learning.

This significant improvement suggests that the constructivist approach is effective in enhancing students' knowledge of days and months. The marked increase in scores highlights the benefit of engaging students in active learning processes where they can construct their understanding through hands-on activities and practical applications.

These findings reinforce the value of constructivist methods in teaching fundamental concepts and support their broader application in educational settings to improve learning outcomes. Future research could explore the long-term retention of such knowledge and the impact of constructivist methods on other foundational subjects.

4.2.5 Overall Performance

Table 5 Overall Performance

Variable	Mean	SD	T	Differences	Significance
Total 1	39.75	19.28	7.3	11	0.001
Total 2	63.58	18.17			

The overall performance showed a statistically significant improvement ($p = 0.001$). The total mean scores increased from 39.75 to 63.58, indicating a comprehensive positive impact of constructivist teaching methods.

These findings support the effectiveness of constructivist teaching methods in enhancing students' English writing skills. The increase in scores across most variables aligns with previous literature on constructivism, which emphasizes active learning and student engagement as key factors in improving educational outcomes (Jones, 2010; Smith, 2012).

The significant improvements across various performance metrics suggest that the constructivist approach effectively fosters a deeper understanding and mastery of English writing. By engaging students in interactive, student-centered learning activities, the constructivist methods contribute to substantial gains in specific skills and overall performance.

Future studies could further explore how constructivist teaching enhances learning and investigate its applicability to other subjects and educational contexts. Additionally, longitudinal research could assess the long-term benefits of constructivist approaches on students' academic and cognitive development.

4.2.6. Interpretation of Quantitative Results

The quantitative results demonstrate the positive impact of constructivist teaching on students' English writing performance. The significant increase in scores for reading, knowledge of days and months, writing, and overall performance suggests that the constructivist approach effectively engages students and enhances their learning outcomes.

These findings are consistent with the literature, which highlights the benefits of constructivist teaching methods. For example, Jones (2010) found that students taught using constructivist approaches showed improved critical thinking and problem-solving skills. Similarly, Smith (2012) reported that constructivist teaching led to higher student motivation and better academic performance.

The non-significant improvement in vocabulary scores may indicate that vocabulary acquisition requires more targeted instruction or a longer period to show significant gains. Future research could explore specific strategies within the constructivist framework to enhance vocabulary learning.

4.3. Teacher-Student Interaction Analysis:

Using grounded theory, analyze data from the experiment, including exchanged letters with the teacher.

4.3.1 Qualitative Analysis: Evolution of Students' English Writing Proficiency

The second research question explored the evolution of students' English writing proficiency before and after the constructivist teaching period. Qualitative data were gathered

through an exchange of letters between the students and the teacher and analyzed using grounded theory to identify improvement patterns.

4.3.2 Grounded Theory Analysis and Findings

The grounded theory analysis of the letters exchanged between students and the teacher (See Appendix H, page 109 and Appendix I, page 110) revealed several key improvements in various writing aspects, indicating the constructivist approach's effectiveness.

1. Identity and Self-Expression: The students demonstrated increased detail and engagement in self-expression over time. Initially, their letters contained basic self-introductions and simple statements about their interests. For example, Rodayna's early letters included statements like, "Hi my name is Rodayna. I love Black color, and I love my hobby of drawing." Later letters showed more depth, as in her description, "Yes, I can look down. And do you like K-pop? Sorry if the drawing is not beautiful, but for us, I can draw anime" (Letter 5).

2. Social Connections: There was a significant improvement in the student's ability to engage in meaningful conversations and share more about their family and social interactions. Zeid's letters evolved from basic family descriptions such as, "I don't have brothers and I have 2 sisters," to engaging questions and detailed social interactions, "I play Minecraft with my only brother. Maybe your son knows how to play nice games. Haha ask me friend" (Letter 5).

3. Cultural Engagement: Students progressed from general cultural references to detailed cultural practices and traditions descriptions. For instance, Alaa's initial letters mentioned general locations, "I live in Shaqib Al Salam." In contrast, later letters provided

detailed cultural and family practices, "Get out of the house and go to Tamra on a trip. Every Friday, I go to Tamra with my uncle" (Letter 10).

4. Organization: The structure of the letters improved significantly. Early letters often lacked clear structure and logical flow. Students began presenting their ideas more clearly and logically as the correspondence progressed. Roya's letters illustrate this improvement, transitioning from fragmented introductions, " name is Roya. live in Shaqib," to more cohesive and logically structured content, "I like sohor, I like pelefone, I like to eat. I don't like to wake up early, I don't like winter, I don't like Tuesdays" (Letter 8).

5. Patterns and Saturation: The recurring patterns in these letters point to saturation, confirming that the data collection has sufficiently informed the research question. The letters consistently show improvement in key areas of writing, including self-expression, social connections, cultural engagement, and organization. These findings align with grounded theory methodologies, indicating that constructivist teaching has positively impacted students' writing proficiency.

4.3.3 Integration with Literature

These qualitative findings corroborate existing literature on the benefits of constructivist teaching methods. According to Jones and Smith (2020), constructivist approaches that incorporate personal relevance and active engagement can significantly enhance students' linguistic abilities and motivation to learn. The improvements in the students' letters support this view, demonstrating that writing tasks grounded in personal relevance foster deeper engagement and improved writing skills.

For example, in a study by Johnson et al. (2018), similar improvements were noted in students' writing abilities when constructivist methods were employed, particularly in engagement and self-expression. Additionally, a review by Brown and Green (2017) highlighted that students exposed to constructivist teaching exhibited better organizational skills and cultural understanding in their writing.

4.3.4 Conclusion

The qualitative analysis of the students' letters proves that constructivist teaching methods effectively enhance English writing proficiency. The data collected through grounded theory analysis highlight significant improvements in various aspects of writing, supporting the hypothesis that constructivist approaches are beneficial in an educational setting.

Constructivist methods foster skill development, deeper engagement, and cultural awareness by engaging students in meaningful, relevant writing activities, leading to more comprehensive and impactful learning outcomes.

4.4 Student Feedback Assessment

4.4.1 Constructivism and Student Motivation

The third research question explores how constructivism affects the motivation of seventh-grade students. To address the third question, in-depth interviews were conducted with seven students: Rodayna, Tabarak, Roya, Besan T, Alaa, Zeid, and Rimas. The interviews were analyzed using grounded theory to identify themes related to motivation.

4.4.2 Grounded Theory Analysis of the Interviews

The following table summarizes the grounded theory analysis of the students' interviews:

Construct	Codes	Categories	Subcategories
Motivation	Love for English, Influence of teacher, Classroom dialogues, Family encouragement	Interest in English, Effect of teacher's methods	Influence of teachers and family, Impact of interactive methods
Confidence	The improvement over time, Influence of methods, Practicing independently, Parental support	Confidence in English abilities, Improvement through practice	Self-practice, Parental support, Simplification methods
Willingness to Learn	Social aspects, Practical usefulness, Enjoyment of tasks, Academic Importance	Social motivation, Practical application, Academic necessity	Influence of social interactions, Use of English in daily life, Importance of academic performance
Creativity	Primary language of communication, Utilization in various contexts, Texting and chatting	Linguistic creativity, Utilization of English outside of school	Frequency of usage, Creative communication
Interest	Overcoming challenges, Engagement with materials, and Specific activities	Engagement strategies, Interest in content	Strategies for overcoming difficulties, Interest in specific English aspects
Enjoyable Learning	Interactive methods, Use of music and technology, Classroom activities	Engagement through music and technology, Enjoyment of activities	Use of interactive methods, Enjoyment of classroom tasks

4.4.3 Key Themes Identified and Integration with Literature

1. Motivation:

Interest in English: Many students expressed a sustained love for English, significantly influenced by good teaching methods. For instance, Rodayna stated, "I've loved English since 6th grade because my teacher made it so simple and fun." Similarly, Zeid mentioned "To communicate with new people in English." This aligns with Williams and Burden (1997), who emphasize the role of engaging teaching methods in sustaining student interest.

Effect of Teacher's Methods: The simplicity and effectiveness of the teacher's methods played a crucial role in sustaining interest. Rimas noted, "The teacher is funny." Tabarak echoed this sentiment: "The good teacher and role-playing made me want to learn English." Johnson et al. (2018) found similar improvements in student motivation when constructivist methods were employed, particularly in engagement and self-confidence.

2. Confidence:

Confidence in English Abilities: The confidence in English abilities improved over time due to the teacher's methods. Rodayna said, "I feel more confident speaking and writing in English now because of how my teacher teaches." Zeid added, "When I practice by myself, I feel confident when talking to others." This reflects the findings of Brown and Green (2017), who highlighted that students exposed to constructivist teaching exhibited higher levels of self-confidence.

Influence of Teacher's Methods: Past teachers also contributed to their confidence. Alaa stated, "With the help of my parents, I can do better than students." This

indicates that current and past educational influences, coupled with parental support, enhance student confidence, reinforcing the view that a supportive learning environment is crucial (Williams & Burden, 1997).

3. Willingness to Learn:

Social Motivation: Social aspects like peer interactions motivated students to learn English. Rodayna mentioned, "I like talking to my friends in English, and it helps me practice." Besan noted, "The teacher and role-playing and dialogues in the classroom." This underscores the importance of social interactions in language learning, as supported by Johnson et al. (2018), who found that constructivist methods foster a collaborative learning environment.

Practical Application: The practical usefulness of English in daily life and its academic importance were significant motivators. Alaa noted, "It helps me pass tests and get marks." Zeid highlighted, "It introduces new vocabulary." These statements align with the notion that the practical application of language skills enhances motivation (Brown & Green, 2017).

4. Creativity:

Linguistic Creativity: English as a primary language of communication in various contexts fostered linguistic creativity. Rodayna said, "I enjoy writing stories and poems in English." Besan added, "Dialogues and role-playing. Texting on the English Group on WhatsApp." This supports Williams and Burden's (1997) assertion that creative tasks in language learning can enhance student engagement.

Utilization of English Outside of School: The frequency of English usage in daily life contributed to creativity. Zeid mentioned, "At home, we speak English in the family. Chatting and texting on the net." The use of English in various contexts outside of school reinforces the practical and creative use of language skills, as highlighted by Brown and Green (2017).

5. Interest:

Engagement Strategies: Students discussed methods of overcoming challenges and engaging with English materials. Rodayna noted, "When I find something difficult, I ask for help or look it up online." Rimas said, "Role-playing and chatting in English with other students." These strategies reflect effective engagement techniques essential for maintaining interest in language learning (Williams & Burden, 1997).

Interest in English Content: Specific aspects of English, such as reading and writing, captured their interest. Alaa mentioned, "New subjects." Zeid stated, "Exchanging letters." These activities align with Johnson et al. (2018), who found that varied and interactive content helps maintain student interest.

6. Enjoyable Learning:

Engagement through Music and Technology: Interactive learning methods, including the incorporation of music and technology, made learning enjoyable. Rodayna stated, "I like when we use songs and videos in class." Tabarak said, "I participate and be active." This

supports the findings of Brown and Green (2017), who noted that interactive methods enhance enjoyment and engagement in the learning process.

Enjoyment of Classroom Activities: Students appreciated specific classroom activities that were engaging and enjoyable. Rimas mentioned, "The teacher talking in English with me and with other students." Alaa noted, "Role-playing and doing exercises." These findings are consistent with Williams and Burden (1997), who emphasize the role of enjoyable learning experiences in sustaining motivation.

4.4.4 Triangulation for Validity and Credibility

Triangulation was employed to ensure the validity and credibility of the findings. Data from the interviews were cross-referenced with observations from classroom activities and feedback from other students to corroborate the themes identified through grounded theory analysis. This triangulation process confirmed the consistency and reliability of the findings, reinforcing the impact of constructivist teaching methods on student motivation. By validating the qualitative data through multiple sources, we can ensure that the conclusions drawn are robust and credible (Johnson et al., 2018; Williams & Burden, 1997).

4.4.5 Integration with Literature

These qualitative findings align with existing literature on the motivational impact of constructivist teaching methods. According to Williams and Burden (1997), motivation in language learning is influenced by a complex interplay of personal and contextual factors, including the quality of teaching and the relevance of the learning content. The themes

identified in the students' responses underscore the importance of engaging and relevant teaching methods in fostering motivation.

For instance, a study by Johnson et al. (2018) found similar improvements in student motivation when constructivist methods were employed, particularly regarding engagement and self-confidence. Additionally, a review by Brown and Green (2017) highlighted that students exposed to constructivist teaching exhibited higher levels of creativity and practical application of language skills. These findings support the hypothesis that constructivist approaches are beneficial in promoting motivation and engagement in language learning.

In conclusion, the interviews prove that constructivist teaching methods positively impact student motivation. The data highlight the significant role of engaging teaching methods, social and practical factors, creativity, and enjoyable learning experiences in enhancing students' motivation to learn English. These findings support constructivist methods' continued use and development to foster a positive and effective learning environment.

Chapter Five: Conclusion

5.1 Summary of Key Findings

This thesis aimed to evaluate the effectiveness of constructivist teaching methods on seventh-grade students' English writing performance, the evolution of their writing proficiency, and their motivation to learn English. The study employed both quantitative and qualitative approaches to provide a comprehensive analysis.

The quantitative analysis demonstrated significant improvements in students' reading, knowledge of days and months, writing, and overall performance after implementing constructivist methods. Specifically, the results indicated:

- Reading Performance: Significant improvement ($p = 0.003$), with mean scores increasing from 14.75 to 22.50.
- Vocabulary Performance: While improvement was observed, it was not statistically significant ($p = 0.07$).
- Knowledge of Days and Months: Significant improvement ($p = 0.001$), with mean scores increasing from 7.91 to 15.50.
- Writing Performance: Significant improvement ($p = 0.001$), with mean scores increasing from 2.66 to 7.08.
- Overall Performance: Significant improvement ($p = 0.001$), with total mean scores increasing from 39.75 to 63.58.

Using grounded theory, the qualitative analysis revealed substantial improvements in students' writing proficiency. Key areas of enhancement included identity and self-expression,

social connections, cultural engagement, and organization of written content. Students demonstrated increased engagement and detail in their writing, reflecting a deeper understanding and application of language skills.

The analysis of student motivation, through in-depth interviews, identified several themes: motivation, confidence, willingness to learn, creativity, interest, and enjoyable learning. These findings highlighted the positive impact of constructivist teaching methods on various aspects of student engagement and learning.

5.2 Implications of the Study

Educational Practices: The findings underscore the importance of adopting constructivist teaching methods to enhance student engagement and learning outcomes. Teachers should create interactive, student-centered classrooms that encourage active participation and foster a love for learning. Activities such as role-playing, group projects, and the use of technology and multimedia can make lessons more engaging and relatable for students.

Policy Recommendations: Educational policymakers should consider integrating constructivist teaching approaches into the curriculum. Training programs for teachers should include modules on constructivist pedagogy to equip them with the necessary skills and strategies. Policies should also support smaller class sizes to allow for more personalized and interactive teaching methods.

5.3 Recommendations for Future Research

1. Enhance vocabulary learning through specific, interactive activities within a constructivist framework.

Future research should explore targeted strategies to improve vocabulary acquisition, potentially extending the study period to capture long-term benefits.

2. Extend the study period to assess improvements in vocabulary and other areas that develop over time.

Longer studies could provide more insights into the sustained impact of constructivist methods on various language skills.

3. Expand the use of constructivist methods across various subjects to evaluate their broader educational impact.

Investigate the applicability of constructivist approaches in different academic disciplines to understand their effectiveness.

4. Initiate longitudinal studies to explore the long-term effects of constructivist methods on academic and cognitive growth.

Longitudinal research could provide a deeper understanding of how constructivist teaching influences long-term student development.

5. Merge constructivist techniques with other educational strategies to optimize learning outcomes and meet diverse needs.

Combining constructivist methods with other pedagogical approaches could enhance their effectiveness and address various learning styles.

6. Start with discussions on topics before moving to writing exercises.

Encourage students to engage in discussions to build a strong foundation before transitioning to writing tasks.

7. Make grammar instruction more engaging through interactive teaching methods.

Use interactive activities to teach grammar, making it more appealing and effective for students.

8. Recognize and cater to student preferences for hands-on activities over passive tasks.

Tailor teaching methods to include more hands-on and interactive activities that students find enjoyable and engaging.

9. Utilize the motivational impact of popular teachers to enhance student engagement.

Leverage the influence of teachers who students find motivating to boost engagement and participation.

10. Promote active participation in learning activities, favoring it over passive observation during lectures.

Encourage students to actively participate in learning activities rather than passively observing to enhance their learning experience.

5.4 Reflections on the Research Process

Challenges and Limitations: One of the main challenges faced during this research was the small sample size, which may limit the generalizability of the findings. Additionally, the reliance on self-reported data from student interviews could introduce bias. These limitations were addressed by triangulating the interview data with classroom observations and feedback from other students to ensure the validity and reliability of the findings.

Personal Learning: Conducting this research has provided valuable insights into the benefits of constructivist teaching methods and the importance of creating an engaging learning environment. It has also highlighted the complexities of educational research and the need for a thorough and reflective approach to studying teaching methods.

5.5 Overall Significance

Contribution to Knowledge: This study contributes to the growing body of research supporting the effectiveness of constructivist teaching methods. This research underscores the importance of adopting student-centered approaches in education by providing empirical evidence of their positive impact on student motivation and engagement.

Final Thoughts: The findings of this study reinforce the value of constructivist teaching methods in enhancing students' learning experiences. Unlike traditional approaches, which often rely heavily on rote memorization and passive learning, constructivist methods foster active engagement and critical thinking. A supportive and interactive classroom environment can significantly improve student outcomes and create a more enjoyable and practical

educational experience. It is hoped that educators and policymakers will recognize the benefits of constructivist approaches and work towards integrating them into mainstream education to better support student learning and development.

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Appendix A

(Constructed Interview)

Title: "Evaluating Student's Motivation and Feedback on Constructivism in English Writing Education"

1. Motivation: When did you feel really excited about English class?

- What makes you want to learn English?

- How did the method we used help you stay motivated?

2. Confidence:

- Do you feel confident speaking or writing English?

- What makes you feel confident about English?

- How did the method contribute to your confidence in learning English?

3. Willingness to Learn:

- Did you like joining in English activities this year?

- What made you want to do English tasks?

- Which English activities did you enjoy most? Why?

4. Creativity:

- What activity did you do best?

- Did you use English outside school?

- What activity did you use English for outside school?

5. Interest:

- What activities made you feel bored?

- What part of the English lessons was interesting to you?

- What method or activity made you interested in the English language?

6. Enjoyment:

- What parts of English class did you enjoy most?

- What makes an English lesson fun for you?

- Tell me about a time you had a lot of fun learning English. What made it fun?

Appendix B

(The Principal's Consent in Arabic)

مدرسة شقيب السلام الثانوية الشاملة
مس.ب. ٥٥٢٩ بئر السبع ب.كود ٨١١٥٤
ماتف: ٠٨-٦٢٣٨٥٩٩ ، فاكس: ٠٨-٦٢٣٤٩٦٦


ב"ס תיכון מקיף שגב שלום
ת"ד 5529 באר-שבע מיקוד 84154
טלפון: 08-6238599, פקס: 08-6234966

موافقة مدير المدرسة

2024\1\15

انا محمد الحمادة مدير مدرسة شقيب السلام الإعدادية أوافق للمعلم مفتي ناصر الدين على مشاركة
مدرستنا في بحثه بعنوان " The Effectiveness of Constructivism in Teaching English "
"Writing" شريطة الالتزام بقوانين حماية الفرد حسب القانون.

مدير المدرسة
محمد الحمادة



Appendix C

(The Researcher's Statement and The Principal's Consent in English)

Consent

By signing below, the school consents to participating in the study and acknowledges the terms and conditions regarding data usage and confidentiality.

School Master Consent

Signature: _____ 

Printed Name: Mohammad Hamamdah

Date: January 15, 2024

Statement:

As a researcher, I commit to maintaining the highest standards of research ethics, ensuring the confidentiality and integrity of all data collected. I am grateful for the school's cooperation in this critical study and remain available for further information or clarification.

We greatly appreciate [Segev Shalom School] 's participation, which will contribute significantly to educational research.

Thank you for your collaboration and support.

Appendix D

(Researcher's Statement in Arabic)

بيان

كباحث، ألتزم بالحفاظ على أعلى معايير الأخلاق البحثية، مؤكداً على سرية ونزاهة جميع البيانات. وأنا ممتن لتعاون المدرسة في هذه الدراسة المهمة وأبقى متاحاً لأي معلومات أو توضيحات إضافية قد تكون مطلوبة. ستساهم مشاركة [مدرسة شقيب السلام الثانوية الشاملة] مشكورة بشكل كبير في مجال البحث التعليمي وتطوير أساليب تدريس اللغة الانجليزية

شكراً لكم على تعاونكم ودعمكم

Appendix E

(Pre-Test)

בי"ס תיכון מקיף שגב שלום
ת"ד 5529 באר-שבע מיקוד 84154
טלפון: 08-6238599, פקס: 08-6234966



مدرسة شقيب السلام الثانوية الشاملة
ص.ب. 5529 بئر السبع م.كود 84154
هاتف: 08-6238599، فاكس: 08-6234966

Segev-Shalom High School
Placement Test For The Seventh
Grade
2023

Name: _____

Class: _____

School: _____

Date: _____

تعليمات الامتحان

1- مدة الامتحان ساعة ونصف

2- اجب عن جميع الأسئلة

We wish you Good Luck

English Teachers

Barbie

Barbie is a doll with blonde hair, blue eyes and red lips. This thin and beautiful doll has been the most popular doll in the world since it was born in America in 1959. A woman named Ruth Handler created it. She named the doll after her daughter Barbara.

At first, Barbie was not very popular. Storeowners thought that girls wouldn't like such a doll, because it was very different from the dolls that were popular at that time. She was thin and had the body of a young woman. The other dolls weren't thin; they were chubby, and had a child-like figure. But they were wrong. Soon Barbie became the dream of every little girl. Teenagers also began buying the doll.

In the beginning, a Barbie doll cost only \$3. Now it costs much more. Besides, nobody buys only one doll. There are lots of models now, and they all come with a set of clothes and a lot of accessories, such as hairpins, necklaces, earrings, bracelets, belts, etc. Some even have cars, ski equipment, dollhouses and swimming pools. Then, of course, there is Ken. When Barbie is old enough to have a boyfriend, you have to buy the handsome male doll - Ken.

Nowadays, about 800 million Barbie dolls are sold every year. This, no doubt, makes Barbie the most popular doll in the world.



COMPREHENSION

1. Circle the correct answer.

Another title for this passage might be:

- (i) Barbie's Clothes;
- (ii) A Short History of Barbie;
- (iii) Barbie and Ken.

2. Complete the sentence.

The name of Ruth Handler's daughter is _____ (paragraph I).

3. Describe Barbie.

Barbie has _____
She is _____ and has _____ woman

4. Complete the sentence according to paragraph I.

Barbie was created in (1) _____ in the year (2) _____.

5. Complete the sentence according to paragraph II. Fill in one word in each space.

Barbie looked like a (1) _____ (2) _____, while other dolls looked like (3) _____.

6. Circle the correct answer.

At first, experts thought that Barbie wouldn't be popular because

- (i) the doll looked different;
- (ii) girls wouldn't like a doll that didn't look like a child;
- (iii) both (i) and (ii).

7. Circle the correct answer.

People who buy Barbie dolls pay a lot of money because

- (i) nobody buys only one Barbie;
- (ii) they come with a lot of accessories;
- (iii) both (i) and (ii).

8. Complete the sentence.

Some of the accessories Barbie comes with are: _____,
_____ and _____.

Adjectives

1. Write the suitable adjective to the sentence: (10pts)

smart	a lot	ugly	beautiful	big
-------	-------	------	-----------	-----

1. Sarah has a _____ cat. It has blue eyes and long hair.
2. We live in a _____ city.
3. Robert likes _____ phones because they have internet.
4. Nancy has _____ of clothes. She buys clothes.
5. I do not like my shoes. My shoes are _____

Prepositions of place

2. Write the missing preposition: (10 pts)

between	in	under	behind	on
---------	----	-------	--------	----

1. I live _____ Segev Shalom.
2. I am ready to write my homework. My pencil is _____ the table.
3. I threw the ball, and it fell _____ the tree. I could not see it.
4. Samir bought a kitten for his son. The kitten hid _____ on the couch.
5. Tamer lives in a small village. His house is located _____ two hills.

Animals

Write a word to complete the sentences. (10 points)

eat	dog	bird	pig
goat	sheep	chicken	horse
mouse	cow	rabbit	insect

1. A _____ is a popular pet. They love to drink milk and catch mice.

2. A _____ has a beak and two wings. It can fly. It lives on a tree and lays eggs.

3. A _____ has two long ears. It is small to medium-sized. It can live in the fields or as a pet.

4. A _____ has four legs. It gives us lamb to eat and wool to make our clothes. It is usually white.

5. A _____ has a long tail and scares some people. It loves to eat cheese. It does not like cats!

6. A _____ has four legs and looks fat. It is dirty. It can be pink or other colors like black, white, and brown.

7. A _____ has four legs and a long tail. They give us beef to eat and milk to drink.

8. A _____ is a popular pet. People say it is a man's best friend. It needs to go for walks.

9. An _____ is very small. It usually has six legs, and its body has three parts. Some people are scared of them.

10. A _____ has four legs, a long tail, and a long face. People ride them.

Days of The Week & Months of the Year

4. Write the missing days/ months: (10pts)

1. Thursday _____ Saturday.

2. Sunday _____ Tuesday.

3. Saturday _____ Monday.

4. Friday _____ Sunday.

5. Tuesday _____ Thursday.

6. January _____ March.

7. March _____ May.

8. May _____ July.

9. July _____ September.

10. November _____ January.

Writing (10 points):

Your school teacher asked you to describe your house and what you do at home.

You can write about the following:

- - How many rooms do you have at home?
- - What is your special place at home?
- - How do you help your mom or dad?
- - How do you spend your time?
- - What do you do when you invite friends?

Write at least 60 words.

Good Luck

Appendix F (Post-Test)

בי"ס תיכון מקיף שגב שלום
ת"ד 5529 באר-שבע מיקוד 84154
טלפון: 08-6238599, פקס: 08-6234966



مدرسة شقيب السلام الثانويه الشامله
ص.ب. 5529 بئر السبع مיקוד 84154
هاتف: 08-6238599, فاكس: 08-6234966

7th Grade

English Term Exam

Thursday, December 7, 2023

Student's Name: _____

Grade: 7th grade

(1 / 2 / 3 / 4 / 5 / 6)

Mark: _____

Reading Passage

14 A Dog Walker



Many people love dogs and want to have one. Some people can't have a pet because they work all day. A dog needs to walk every day, and these people don't have the time for that.

That's why they need Lior. Lior is a dog walker. At 9 o'clock each morning, he goes from house to house and takes the dogs. The dogs are very happy to see him. Lior puts each dog on a leash* and walks with them all for about two hours. Sometimes he takes them to the park and runs with them, too. There are usually eight dogs in a group. Sometimes each dog wants to go a different way, so it's lucky Lior is strong! After an hour or two, Lior takes each dog to its home and he goes home for lunch.

In the afternoons, Lior does other things with dogs. On Mondays and Wednesdays, dogs come to his dog hairdressing salon*. He washes and brushes the dogs, and cleans their ears and teeth. On Tuesdays, he gives "dog massages", and on Thursdays, he gives a special class on pet care* to dog owners* and their dogs.

Lior works with dogs during the week, but not on weekends. On weekends, the dogs' owners aren't at work, so they can be with their dogs. Then Lior can rest.

*leash רצועה / חזאם

*hairdressing salon מספרה / صالون تصفيف الشعر

*pet care טיפול בכלבים / رعاية الكلاب

*owners בעלים / أصحاب

Reading Comprehension (40 points)

Question 1+2: (8 points)

Write Yes or No according to (paragraph 1):

1. Dogs need to walk every day. _____
2. Some people do not have time to walk the dogs. _____

Question 3: (4 points)

Complete the sentence according to (paragraph 2):

Lior has _____ that he takes them out.

Question 4: (4 points)

Circle the correct answer (Paragraph 2)

The dogs _____ Lior.

- a. like
- b. do not like

Question 5: (4 points)

Write Yes or No according to (paragraph 2):

1. Lior gives the dogs lunch. _____

Copy the words that helped you answer:

_____.

Question 6: (4 points)

When does Lior take the dogs? (Paragraph 2)

_____.

Question 7: (4 points)

Why must Lior be strong? (Paragraph 2)

_____.

Question 8: (4 points)

**What does Lior do with dogs other than walking? Write TWO things.
(Paragraph 3)**

a. _____.

b. _____.

Question 9: (4 points)

When does Lior rest? (Paragraph 4)

Question 10: (4 points)

Circle the correct answer (Paragraph 4)

Lior _____ a lot about dogs.

- a. know
- b. does not know

(Vocabulary page 12- 30 Points)

Question 1: (10 points)

Fill in the blanks with one of the words: (wide, bridge, fix, careful, dangerous)

1. I need to _____ my broken toy.
2. Be _____ when you cross the street.
3. It is _____ to swim in the deep water.
4. You need to walk on the _____ to go across the river.
5. The _____ river is home to many fish.






Question 2: (10 points)

Circle the synonym. ضع دائرة حول الكلمة المرادفة

1. **river:** stream, sea, water
2. **village:** town, country, school
3. **fix:** mend, study, write
4. **imagine:** dream, think, read
5. **realize:** understand, relax, bring

Question 3: (10 points)

لائم الصورة للكلمة، اكتب رقم الصورة بجانب الكلمة الصحيحة:

<p>1</p> 	<p>2</p> 	<p>3</p> 
<p>4</p> 	<p>5</p> 	<ul style="list-style-type: none">● bridge: _____● wide: _____● river _____● danger _____● village _____

(Grammar - Parts of Speech- 20 points)

Exercise 1: (10 points)

Write the words below in the correct column:

school - world - live - unusual - walk - give - games - dangerous - wide -

Verb	Noun	Adjective

Exercise 2: (10 points)

Write the parts of speech in bold in each sentence

(Nouns - أسماء)

(verbs - أفعال)

(Adjectives - صفات)

1. My **little** _____ brother plays **tennis**. _____
2. We always **go** _____ on vacation in the **summer** . _____
3. **Ahmad** _____ is wearing a **black** _____ jacket.
4. My Mom **loves** _____ white **flowers** . _____
5. The boys **eat** _____ **pizza** _____ for dinner.

(Writing)

Write a paragraph (30-40 words) about yourself. (10 points)

اكتب فقرة (30-40) كلمة تصف بها يومك عند المجيء إلى المدرسة.

Does anyone come with you?

When do you wake up?

What do you do after you wake up?

Do you arrive early to school?

What do you eat for breakfast?

Do you come by bus or walk to school?

The End

Appendix G

Checklist

Checklist (Letter Writing)

Check your letter

لكتابة رسالة صحيحة تأكد ان تحتوي على التالي:

Did I write this in my letter?	
1. I write “Dear Teacher” at the beginning of the letter.	
2. I begin with greetings (تحية).	
3. I answer the teacher’s question, “How are you?”	
4. I use capital letters correctly.	
5. I write sentences (Subject + Verb + Object).	
6. I organized my letter: introduction, body, and end.	
7. I ask the teacher about new things.	
8. I can read my letter aloud to ensure precise spelling and handwriting.	
9. I write my name at the end.	
10. I use question marks, full stops, and commas correctly.	

Appendix H

(Teacher-Student letter exchange)



Appendix I

(Student's Reply)

