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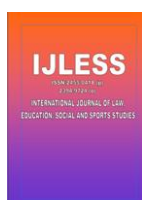
## **The Impact of Teacher Effectiveness on Academic Achievement in Secondary School Students**

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DOI: [10.33329/ijless.12.S1.586](https://doi.org/10.33329/ijless.12.S1.586)

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### **ABSTRACT**

This paper Explains the intricate relationship between teacher effectiveness and secondary school students' academic achievement, drawing insights from social cognitive theory, self-efficacy theory, and expectancy-value theory. Teacher effectiveness is examined through four primary factors: teacher qualifications, teaching experience, teaching style, and teacher-student relationships. These factors collectively shape not only the quality of knowledge transmission but also the development of a supportive and inclusive learning environment conducive to student engagement and motivation. Social cognitive theory underscores the importance of observational learning, wherein students adopt positive behaviors modeled by their teachers, such as enthusiasm, patience, and resilience. Self-efficacy theory highlights the role of students' belief in their own abilities, which is significantly influenced by teachers who provide constructive feedback and emotional support. Expectancy-value theory adds depth by emphasizing how students' perceptions of the importance and utility of academic tasks are shaped by their teachers' ability to connect learning content to real-world relevance. The paper argues that teacher effectiveness extends beyond academic instruction to fostering students' self-efficacy, social skills, and intrinsic motivation. Teachers who effectively balance knowledge delivery with the creation of an inclusive and stimulating classroom environment can significantly boost student achievement. Moreover, understanding the theoretical underpinnings of teacher effectiveness is pivotal for designing strategies that enhance teaching practices. The paper concludes by advocating for the integration of these theoretical frameworks into teacher development programs and policy formulations. By prioritizing teacher effectiveness as a cornerstone of education, educators and policymakers can implement measures that not only support professional growth but also lead to improved academic outcomes for students. This approach ensures a holistic understanding of teaching that benefits both educators and learners in the long term.

Keywords: Teacher Effectiveness, Academic Achievement, Secondary School Students, Teacher Qualifications, Teaching Style, Teacher-Student Relationships.

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## **Introduction**

The academic success of secondary school pupils is significantly influenced by the effectiveness of their teachers. Effective teachers have been repeatedly linked to better student outcomes, such as increased academic proficiency, greater attendance, and better behaviour, according to research (Hattie, 2009; Marzano, 2007). Since teacher effectiveness has been demonstrated to have a major impact on students' learning and accomplishment, its significance cannot be understated. This essay will examine the theoretical frameworks – such as expectancy-value theory, self-efficacy theory, and social cognitive theory – that support the link between student academic accomplishment and teacher effectiveness.

## **Literature Review**

The connection between student academic success and teacher effectiveness has been the subject of numerous research. A meta-analysis of more than 800 research was done by Hattie (2009), who discovered that student academic progress was significantly predicted by teacher effectiveness. Additionally, Marzano (2007) discovered that good teachers enhanced student outcomes, such as attendance and academic performance.

Numerous elements, such as a teacher's training, experience, style, and relationships with students, affect how effective a teacher is. Higher qualified and experienced teachers are often better at encouraging student learning, according to research (Rice, 2003; Rockoff, 2004). Another crucial element is teaching style; student-centered and inquiry-based methods are typically better at encouraging motivation and engagement among students (Blumenfeld et al.,

## **Theoretical Frameworks:**

### **Social Cognitive Theory**

According to social cognitive theory, pupils pick up new skills by seeing and copying their professors' actions (Bandura, 1977). According to this hypothesis, students' learning is impacted by the behaviours of their teachers, and these behaviours can either help or hurt students' learning. The social cognitive theory states that pupils pick up knowledge through imitation, reinforcement, and observation. Students are more likely to adopt and internalise positive behaviours, like patience and passion, when their teachers exhibit them.

Four elements of social cognitive theory were distinguished by Bandura (1977): motivation, attention, retention, and reproduction. The act of noticing and responding to other people's actions is referred to as attention. The process of remembering and retaining knowledge is referred to as retention. The process of replicating observed behaviours is referred to as reproduction. The process of becoming inspired to carry out the learnt behaviours is referred to as motivation.

According to social cognitive theory, teachers who effectively model positive behaviours, give students the chance to see and emulate these behaviours, and reinforce student learning with encouragement and feedback are those who are most successful in fostering student learning.

### **Self-Efficacy Theory**

According to the self-efficacy theory, students' perceptions of their own skills and competence are a major factor in deciding how well they perform academically (Bandura, 1997). According to this idea, interactions between students and teachers have an impact on students' self-efficacy, and the acts of teachers can either support or contradict students' self-efficacy.

Students with high levels of self-efficacy are more likely to be driven to learn, to persevere in the face of difficulties, and to perform at greater levels, according to self-efficacy theory (Bandura, 1997). Teachers that give students the chance to succeed, provide them encouraging remarks and positive reinforcement, and assist them in gaining a sense of agency and control over their own education are effective at fostering student self-efficacy.

Bandura (1997) distinguished four sources of self-efficacy: physiological conditions, verbal persuasion, vicarious experience, and performance accomplishments. The experience of success or failure is referred to as performance accomplishments. Observing the experiences of others is known as vicarious experience. The impact of other people's words and deeds is referred to as verbal persuasion. The mental and physical states that affect self-efficacy are referred to as physiological states.

According to the theory of self-efficacy, teachers who give students chances to succeed, give them encouraging remarks and positive reinforcement, and assist them in gaining a sense of agency and control over their own education are effective in fostering student self-efficacy.

### **Expectancy-Value Theory**

According to expectation-value theory, students' expectations of success and the importance they attach to academic achievement have an impact on their motivation and involvement in the learning process (Ecclestone, 2007). According to this hypothesis, teachers' actions can either help or hurt students' motivation and engagement, and students' views of the learning environment have an impact on these factors.

Expectancy-value theory states that students who value academic performance and have high expectations for success are more likely to be driven to learn and perform at greater levels (Ecclestone, 2007). Teachers that foster a pleasant learning environment, give students chances to succeed, and support their development are effective at encouraging student motivation and engagement.

Expectancy, value, cost, and motivation are the four elements of expectancy-value theory that Ecclestone (2007) identified. The expectation of success or failure is referred to as expectancy. Value is the term used to describe how much importance academic success is given. The term "cost" describes the alleged expenses of succeeding academically. Motivation pertains to the drive to acquire knowledge and accomplish goals.

Regarding teacher effectiveness, expectancy-value theory posits that teachers who foster a positive learning environment, give students chances to succeed, and assist students in finding meaning and purpose are effective in fostering student motivation and engagement.

### **Factors Influencing on Teacher Effectiveness**

#### **1. Teacher Qualifications**

An abundance of knowledge and pedagogical skill are brought to the classroom by teachers who hold advanced degrees or specialised certificates. These credentials enable them to create and carry out demanding, interesting, and situationally relevant lesson plans that meet the needs of a wide range of students.

- **Deeper Subject Mastery:** Teachers with more education show a better understanding of their subjects, which helps them to answer challenging questions from students and pique their interest.
- **Pedagogical Advancement:** By providing instructors with cutting-edge teaching strategies like inquiry-based learning and individualised instruction, advanced training promotes an enhanced educational experience.

- **Lifelong Learning:** Teachers are better able to adapt to changing classroom dynamics and improve the quality of their instruction when they receive ongoing professional development that keeps them abreast of new developments in education, including technologies, trends, and methods (Rice, 2003).

## 2. Teaching Experience

Experienced teachers leverage years of practice to refine their instructional techniques and classroom management skills, contributing significantly to student learning outcomes.

- **Classroom Management:** With time, teachers develop effective strategies to manage diverse classrooms, ensuring a structured, disciplined, and inclusive learning environment.
- **Adaptability:** Experienced educators are adept at modifying their teaching strategies to address the unique needs of students, including those requiring special accommodations or differentiated instruction.
- **Assessment Expertise:** A well-experienced teacher effectively utilizes formative and summative assessments to gauge student understanding, identify learning gaps, and adjust teaching plans accordingly (Rockoff, 2004).

## 3. Teaching Style

The instructional approach employed by teachers profoundly affects student engagement and comprehension.

- **Student-Centered Learning:** Methods such as inquiry-based and project-based learning promote active participation, critical thinking, and problem-solving skills. These approaches shift the focus from passive knowledge acquisition to active exploration and understanding.
- **Use of Technology:** Incorporating digital tools into the teaching process fosters interactivity, accessibility, and engagement, helping students relate to the content in innovative ways.
- **Relevance and Connection:** Effective teaching styles involve relating academic content to real-world applications, enhancing students' appreciation for the subject and its practical utility (Blumenfeld et al., 2000).

## 4. Teacher-Student Relationships

The interpersonal dynamic between teachers and students plays a critical role in shaping a conducive learning environment.

- **Empathy and Trust:** Teachers who demonstrate understanding, patience, and empathy create a safe space where students feel valued and supported.
- **Motivation and Engagement:** Positive relationships encourage intrinsic motivation in students, fostering a desire to learn and excel academically.
- **Behavioral Impact:** Strong teacher-student connections minimize classroom disruptions, allowing for focused and uninterrupted learning sessions (Hamre & Pianta, 2006).

## Significance of the Study

- **Enhancing Student Achievement**

Teacher effectiveness is strongly linked to improved student performance and holistic development. Research demonstrates that effective teaching practices significantly boost students' academic outcomes and their ability to think critically and solve problems (Rockoff, 2004). By understanding the

factors that contribute to teacher effectiveness, this study provides actionable insights to optimize student learning experiences.

- **Informing Teacher Development Programs**

Professional development opportunities play a critical role in enhancing teacher qualifications and teaching methodologies. Teachers who engage in continuous learning remain adept at incorporating modern pedagogical strategies, leading to improved student engagement and success (Rice, 2003). The study underscores the necessity of ongoing professional training tailored to address specific areas like classroom management, technology integration, and differentiated instruction.

- **Strengthening Teacher-Student Relationships**

Positive teacher-student relationships are crucial for fostering a supportive and engaging learning environment. According to Hamre and Pianta (2006), strong interpersonal connections between teachers and students promote emotional security, intrinsic motivation, and better behavioral outcomes. This study highlights the significance of empathy, trust, and effective communication in shaping such relationships.

- **Guiding Educational Policy**

Policymakers benefit from studies that elucidate the critical role of teacher effectiveness in shaping educational outcomes. Investment in teacher recruitment, professional development, and retention strategies informed by research can lead to a more equitable and quality education system (Blumenfeld et al., 2000). These policies can address achievement gaps and prepare students for future academic and career challenges.

- **Bridging Theory and Practice**

By drawing on theoretical frameworks such as social cognitive theory, self-efficacy theory, and expectancy-value theory, the study provides a robust foundation for understanding how teacher effectiveness influences student outcomes. This integration offers practical strategies to bridge the gap between theoretical insights and classroom practices, benefiting both educators and learners (Bandura, 1986).

- **Promoting Holistic Education**

Beyond academic performance, the study emphasizes the role of teacher effectiveness in fostering students' emotional and social growth. Effective teachers help students develop self-confidence, resilience, and collaborative skills, aligning with the broader goals of lifelong learning and societal contribution (Hamre & Pianta, 2006).

## **Conclusion**

Finally the teacher effectiveness is a complex construct that is influenced by several factors, including teacher qualifications, teaching experience, teaching style, and teacher-student relationships. Theoretical frameworks, such as social cognitive theory, self-efficacy theory, and expectancy-value theory, provide a foundation for understanding the relationship between teacher effectiveness and student academic achievement. By understanding these factors and frameworks, educators and policymakers can develop strategies to enhance teacher effectiveness and promote student learning.

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