

WAIS score of college students and enhance their correct understanding of social relations.

**Table 1.** Comparison of WAIS scores of higher vocational college students

Time	General group (39)	Reform group (39)	<i>t</i>	<i>P</i>
Before teaching intervention	95.64±2.93	94.87±2.75	1.197	0.235
After teaching intervention	101.21±2.74*	113.53±2.68*	20.074	0.000

Note: Compare with before teaching intervention, \* *P* < 0.05.

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## THE EFFECT OF INNOVATIVE ENGLISH TRANSLATION TEACHING ON STUDENTS' LEARNING IN THE CONTEXT OF EDUCATIONAL PSYCHOLOGY

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**Background:** In the context of education, educational psychology is a psychological discipline that studies human learning, the effect of educational intervention, teaching psychology and so on. Educational psychology is a comprehensive interdisciplinary subject, which integrates the relevant theories of pedagogy and psychology. It can show a good application effect in many teaching processes, such as teaching curriculum design and learning motivation improvement. The focus of educational psychology is to apply the theories or research findings of psychology to the actual educational process. Generally, educational psychology can be used to design courses, improve teaching methods, promote learning motivation and help students face various difficulties and challenges encountered in the process of growth. In educational psychology, pedagogy and psychology merge and influence each other, which shows that teachers can not only take psychology as the theoretical basis to make teaching curriculum plans. At the same time, psychological support can also be given in teaching practice to gradually improve the teaching program. In the context of educational psychology, it can be seen that innovative English translation teaching is significantly different from traditional English translation teaching, in which the latter only teaches knowledge in the form of reading from books, resulting in the lack of attraction and interaction in English translation teaching classes, and it is difficult to achieve satisfactory teaching results. Innovative English translation teaching is an optimized teaching mode based on the relevant theories of educational psychology. It can enhance the interest and knowledge of the classroom, enhance the students' interest in English translation teaching courses, and then enhance the students' initiative and enthusiasm in learning English translation teaching courses through information-based and diversified English translation teaching methods, so as to finally obtain better English translation learning results. Specifically, innovative English translation teaching does not just mean the innovation of teaching equipment. This optimized and reformed teaching mode, based on the use of various modern information technologies to enrich English translation teaching activities, takes the relevant theories of educational psychology as the guiding opinions, and makes innovation and upgrading on the actual teaching curriculum, teaching content arrangement, teaching task distribution, etc.

**Objective:** This paper explores the impact of innovative English translation teaching on students' learning effect under the background of educational psychology, so as to maximize students' learning positive psychology and mental health level, and ensure the effectiveness of their English translation learning.

**Subjects and methods:** In the English translation major of a university, 68 college students were randomly selected as the research objects. The C4.5 decision tree algorithm is used to classify the college students majoring in English translation, and the number of college students with different levels of English translation and mental health is obtained. Taking the innovative English translation teaching based on the relevant theories of educational psychology as the main form of intervention experiment, this paper explores the evaluation results of self-designed scales of 68 college students at different time points before and after the intervention. The study designed the evaluation scale of English translation majors' learning effect and mental health level, which mainly includes two subscales to evaluate the English translation level and mental health level of college students. The score of the self-designed scale determines the level of college students' English translation and mental health, which are positively correlated.

**Results:** Table 1 shows the evaluation results of college students' self-designed scale before and after the innovative English translation teaching intervention in the context of educational psychology. It can be

seen from Table 1 that before the teaching intervention, the score of the self-designed scale of the tested college students was at a low level, indicating that their English translation ability was deficient and their mental health level was not very optimistic. After the innovative English translation teaching intervention under the background of educational psychology, the scores of the self-designed scale of college students showed a significant upward trend. The scores of the two subscales increased significantly from 49.13 and 37.28 to 89.62 and 92.47 respectively, which showed that the English translation level and mental health level of 68 college students were improved.

**Table 1.** Score changes of self-designed scale of college students before and after teaching intervention

Subscale	Before teaching intervention	After teaching intervention
English translation level	49.13±6.69	89.62±7.12*
Mental health level	37.28±6.41	92.47±7.05*

Note: Compare with before teaching intervention, \*  $P < 0.05$ .

**Conclusions:** In the context of educational psychology, innovative English translation teaching is no longer just teaching knowledge in the form of reading from the book. It completely abandons cramming teaching methods. It mainly uses information-based and diversified English translation teaching methods to set up multiple teaching forms such as admiring classes or flipping classes, so as to enhance the interest and attraction of English translation teaching classes and enhance students' initiative and enthusiasm in English translation learning. The research takes the innovative English translation teaching based on the relevant theories of educational psychology as an intervention method, which successfully verifies the effectiveness of this innovative educational means and can significantly improve the scores of college students' self-designed scales. This shows that innovative English translation teaching in the context of educational psychology can effectively improve college students' English translation level and mental health level, and have a significant positive impact on students' learning effect.

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## RESEARCH ON THE APPLICATION OF INNOVATIVE INTEGRATION OF IDEOLOGICAL AND POLITICAL EDUCATION IN THE CONSTRUCTION OF STUDENTS' PERSONALITY PSYCHOLOGY UNDER DIGITAL MEDIA

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**Background:** In essence, digital media is an information carrier, which mainly records, processes, disseminates and obtains all kinds of information in the form of binary numbers. The development direction of digital media mainly includes consumer industry and manufacturing industry. It is mainly used in the practical work of digital media visual design, intelligent interface, digital image, game design, business communication, virtual display and so on. Digital media has five main characteristics, one of which is the diversity of communicators. Traditional analog methods tend to monopolize due to the scarcity of channels. Digital media communicators no longer need to occupy too much electromagnetic spectrum space, so they have significant diversity; The second is the mass content, which enriches the depth and breadth of the content; Third, it refers to the interactivity of communication channels. Digital media can no longer only realize single-phase communication like traditional media, but can complete real-time two-way communication; Fourth, it refers to the personalization of the recipient, who can choose to receive different digital media content output according to their own interest preferences; Fifth, it refers to the intelligent communication effect. Digital media can track and analyze the audience's viewing behavior and viewing effect more accurately. Ideological and political education, as a key element of students' personality shaping and psychological construction, plays an important role in the process of teaching and educating people. While ideological and political education has been paid more and more attention, the Ministry of education has issued the guiding outline for ideological and political construction of college courses, which specifically points out that the ideological and political construction of courses should be comprehensively promoted in all colleges and universities, all disciplines and majors, take the comprehensive improvement of talent training ability as the core point, and focus on the feelings of family and country, political identity, constitutional and legal awareness, moral cultivation, cultural literacy, etc. Realize the effective optimization of Ideological and political content supply; Strengthen teachers'