

Research on the Cultivation Plan of College Students' Autonomous Learning Ability Based On Blended Teaching Mode

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Abstract: Research on the cultivation plan of college students' autonomous learning ability based on blended teaching mode is the main focus of this paper. Self-directed learning is actually metacognitive monitoring of learning. It is a process in which students proactively adjust their learning strategies and efforts according to their own learning ability and the requirements of the learning task. The process of Self-directed learning requires individuals to have conscious awareness and response to the questions of why, whether, what, and how they learn, and how to learn. In the process of the teacher-student interaction, learning feedback and online mutual evaluation are the main ways for teachers and students to communicate. We give the new suggestions of improving the performance.

Keywords: Blended teaching mode; autonomous learning; learning ability; college student; cultivation plan

1. INTRODUCTION

Primary responsibility for learning has shifted from teachers to students, and also curriculum has shifted to place more emphasis on learner-centredness. The reshaping of the roles of teachers and learners has drastically changed the long-held pattern of the distribution of rights and authority in traditional pedagogy. What is autonomous learning? What are its essential characteristics? This is the first question that must be answered in the study of autonomous learning. In this regard, the views of several representative learning theories in the west are different.

The Vellelu School represented by the Vygotsky believes that autonomous learning is essentially the verbal self-directed process, a process in which individuals use internal speech to actively regulate their own learning. For achieving this, we should be focused on listed aspects.

(1) Self-directed teachers regard students as explorers, and the role of teachers is almost all of the helpers. The teaching arrangement is completely revolving around allowing students to explore and draw their own conclusions [1-4].

(2) Learning is the understanding meaning; Learning is an explanatory process aimed at understanding reality; Learning is a form of personal change. Autonomous teachers view learning as a form of personal change, which helps to select learning activities with personal significance.

(3) Learning strategies are special thoughts or behaviors that learning subjects use to help them understand, learn, or retain new knowledge. Their definitions are basically consistent with Wenden's interpretation. That is, learning strategies are what learners use to learn a new language and also manage ideas or implementation steps towards this goal.

Especially, the blended teaching mode is essential. Students mainly study in the whole teaching activities, group study and independent study become the main way for students to study, and they are also accompanied by the related achievement presentation and self-assessment.

In the process of the teacher-student interaction, learning feedback and online mutual evaluation are the main ways for teachers and students to communicate. In the figure, the sample scenario is demonstrated and in the next sections, the proposed ideas will be discussed [5-9].

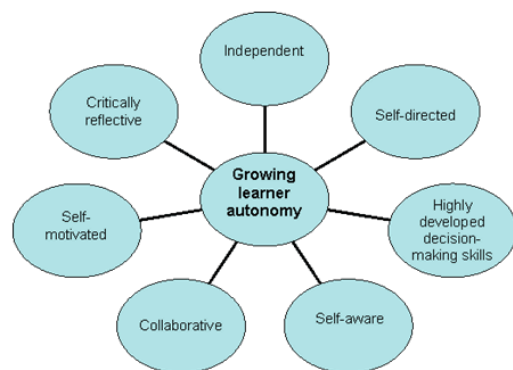


Figure. 1 The Autonomous Learning Scenario
(<https://steemit.com/steemiteducation/@mistamistong/the-challenges-faced-by-teachers-in-promoting-autonomous-learning-models-2017919t215353735z>)

2. THE PROPOSED METHODOLOGY

2.1 The Discussion of Blended Teaching Mode

How to fully reflect the active participation of online learning, and how to give full play to the guiding role of teachers or experts, the influence of personality, and the penetration of learning and research methods have become issues of the common concern. Blended learning is mainly the fusion of the classroom learning and online learning. In the blended teaching, the introduction of the curriculum is particularly important. Generally speaking, curriculum introduction means that teachers and students should communicate the learning objectives and learning methods of the curriculum in a certain way, so that teachers and students can understand the teaching objectives of the curriculum, the network, the organization of

classroom learning activities, learning support methods and examinations with the consensus on the evaluation method. We can understand blended learning as the effective mixing of various learning media, learning modes, learning environments, and learning content, and the effective mixing of online learning and traditional classroom learning. We can understand blended learning as an effective mixture of general various learning media, learning modes, learning environments and learning contents, and the combination and complementarity of online learning and traditional classroom learning. It can optimize the integration of learning resources and improve the learning effect [10, 11].

The combination of online learning and traditional classroom learning can optimize the integration of learning resources and improve the learning effect. Therefore, blended learning is to give full play to the complementary advantages of traditional education and modern education in teaching and learning, which needs to be promoted. It is believed that the blended teaching will play an important role in future teaching.

2.2 The Cultivation Plan of College Students' Autonomous Learning

The topic selection of research classroom learning is based on the expansion of the topic of the textbook learning, requiring students to expand and apply what they have learned on the basis of mastering the basic knowledge and skills, and build a new knowledge and skill platform.

Its scope is extremely broad, not only in the classroom, but also outside the classroom. Teachers should pay attention to the life-oriented content selection on the premise of teaching materials. Because only by being close to the reality of the students and social life, can the learning content be full of the breath of the times, and students can have the impulse and desire to learn. We focus on listed aspects.

(1) Self-monitoring refers to a kind of observation, review and evaluation conducted by students for their own learning process; self-direction refers to students adopting behaviors that lead to the learning results, including making learning plans, choosing appropriate learning methods, and organizing the learning environment. etc.; Self-reinforcement refers to the process in which students reward or punish themselves according to the learning results, so as to then facilitate the maintenance or promotion of positive learning.

(2) In the practice of inquiry, students have active thinking, show personality, mental development, skill improvement, and vision expansion, which effectively promotes their creative spirit and independent thinking ability. Open inquiry learning organically combines students' innovative spirit with practical ability, which plays a great role in further improving students' English literacy.

(3) When a learning task is presented, students need to understand that the learning experience has a deeper meaning than just the immediate purpose. and that the core student understands the intent of the learning task, ensuring that the student understands exactly what is required of him or her so that Students will engage in the task in a self-directed and focused manner.

In short, we must always adhere to the teacher-led, student-centered approach in teaching, pay attention to each student, stimulate their interest in learning, and let students stimulate students' subject consciousness through general perception, experience, practice, participation and cooperation.

3. CONCLUSION

Research on the cultivation plan of the college students' autonomous learning ability based on blended teaching mode is studied in the paper. Self-determination means that individuals can make self-evaluation of their own learning behaviors, and adjust the intensity and direction of their own learning behaviors on the basis of the evaluations. When necessary, they can obtain learning results with the help of others. This paper gives the novel suggestion for improving the overall performance.

4. REFERENCES

- [1] Rezaeian, M. "The Environment and Seating Arrangement of a Small Teaching Group." (2020): 315-322.
- [2] Yang, Yaokun. "Application of Deep Learning Piano Harmony Automatic Arrangement System in Piano Teaching." In 2022 IEEE 5th Eurasian Conference on Educational Innovation (ECEI), pp. 90-93. IEEE, 2022.
- [3] Pranena, I. Made Widwan. "U-shape and Cluster Seating Arrangement in Teaching English as Foreign Language in Yayasan Dana Punia." *Journal of Educational Study* 2, no. 2 (2022): 168-176.
- [4] Sah, Sanjib Kumar, Sidarth Timsinha, Raju Kumar Chaudhary, Rajesh Kumar Shah, and Umesh Kumar Mehta. "Pattern of superficial venous arrangement in cubital fossa among preclinical Nepalese MBBS students at Birat Medical College Teaching Hospital." *Asian Journal of Medical Sciences* 12, no. 10 (2021): 152-156.
- [5] Yaman, Anil, Giovanni Iacca, Decebal Constantin Mocanu, Matt Coler, George Fletcher, and Mykola Pechenizkiy. "Evolving plasticity for autonomous learning under changing environmental conditions." *Evolutionary computation* 29, no. 3 (2021): 391-414.
- [6] Wang, Ping, Siyuan Bai, Yu Wang, Wenchao Liu, and Meng'en Li. "Research on Generational Evolution of Autonomous Transportation System in Autonomous Driving Scenario." In CICTP 2022, pp. 558-568.
- [7] Gao, Kai, Di Yan, Fan Yang, Jin Xie, Li Liu, Ronghua Du, and Naixue Xiong. "Conditional artificial potential field-based autonomous vehicle safety control with interference of lane changing in mixed traffic scenario." *Sensors* 19, no. 19 (2019): 4199.
- [8] Xu, Chejian, Wenhao Ding, Weijie Lyu, Zuxin Liu, Shuai Wang, Yihan He, Hanjiang Hu, Ding Zhao, and Bo Li. "SafeBench: A Benchmarking Platform for Safety Evaluation of Autonomous Vehicles." *arXiv preprint arXiv:2206.09682* (2022).
- [9] Jung, Jiwon, and Kibeom Lee. "Automatic Scenario Generation for Decision Algorithm Performance Evaluation of Autonomous Vehicle via Scenario Parameter Sweeping Method." *International Journal of Automotive Technology* 23, no. 5 (2022): 1383-1391.
- [10] Xie, Heping, Ji Peng, Mengyuan Qin, Xuzhe Huang, Fei Tian, and Zongkui Zhou. "Can touchscreen devices be used to facilitate young children's learning? A meta-analysis of touchscreen learning effect." *Frontiers in psychology* 9 (2018): 2580.
- [11] Rafiola, Ryan, Punaji Setyosari, Carolina Radjah, and M. Ramli. "The effect of learning motivation, self-efficacy, and blended learning on students' achievement in the

industrial revolution 4.0." International Journal of
Emerging Technologies in Learning (iJET) 15, no. 8

(2020):

71-82.