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Abstract Abstract

The major application of the WebQuest is course design in network learning. Learners can apply all kinds of science and technology resources in network and through thinking actions like analyzing, integrating and evaluating, etc, so as to quest some educational subjects. Applying this kind system of teaching design can promote the learners' studying motion and it also can offer the features of the actual learning. The effects of the learners' studying with each other, all of the learners' thinking ability can be developed suitability and get enough knowledge in the best comfortable environment.

The goal in this study is to explore the learning effects of the design system of WebQuest to learning effects. Using biology courses in junior high school to be a teaching subject, and combining application of teaching with assistant teaching material in practice. There are two groups in this experimentation, both of them are experimental group and control group, and finding out the difference between them. Finally, this study utilize survey instrument and the specialists' opinions to analysis the learning attitude about this WebQuest system and provide some suggestions, they are useful for studying reference.

There are five results in this study, in the following:

(1) The learners' test grade in using network learning is higher than the others aren't using this system evidently.

(2) Teachers think this teaching design in network learning is positive, but this system cannot cut down the time that students learn in biology.

(3) Students' learning attitude tends to be more passive. When teachers and parents push them, they will just do their homework on time and finish the arranged missions.

(4) Most learners think this network learning is good for helping them to understand biology.

(5) "It isn't enough time." "The speed of network going is too slowly." "It's hard to finish the homework on time." Above-mentioned reasons are the major difficulties in applying network learning.
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