



EFFECTIVENESS OF CO-OPERATIVE LEARNING FOR D.T.ED. STUDENTS

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Introduction

Education is process to reform and cultured the child and shows the proper way to find goal, but the goal cannot be achieved without improving the class room transactions. Today the knowledge aspects became very wide, so it difficult to decide what to teach and how to teach. Education is two way traffic, so a good communication between a teacher and a student should utmost important.

The pillars of knowledge are-

- Learning to know
- Learning to do
- Learning to live together
- Learning to be.

Learning to know implies learning how to learn by developing one's concentration, memory .skill and ability to think from infancy, young people must learn how to concentrate on objects and on the other people .This process improve concentration skill can take different forms and can be aided by many different learning that arrives in the course of people lives and facilitate lifelong learning, for this it is very crucial to learn how to learn.

Constructivist epistemology assumes that learners construct their own knowledge on the basis of interaction with their environment. Four epistemological assumptions are at the heart of what we refer to as "constructivist learning" Fosnot (1996).

1. Knowledge is physically constructed by learners who are involved in active learning.
2. Knowledge is symbolically constructed by learners who are making their own representations of action.
3. Knowledge is socially constructed by learners who convey their meaning making to others.
4. Knowledge is theoretically constructed by learners who try to explain things they don't completely understand.

Cooperative Learning

Cooperative Learning refers to a set of instructional methods in which students work in small, mixed-ability learning teams.

The students in each team are responsible not only for learning the material being taught, but also for helping their teammates learn.

Cooperative learning is the instructional use of small groups so that students work together to maximize their own and each other's learning (Johnson, Johnson, & Holubec, 1993). Within cooperative learning groups students discuss the material to be learned with each other, help and assist each other to understand it, and encourage each other to work hard. Cooperative learning groups may be used to teach specific content (formal cooperative learning groups), to ensure active cognitive processing of information during a lecture or demonstration (informal cooperative learning groups), and to provide long-term support and



assistance for academic progress (cooperative base groups) (Johnson, Johnson, & Holubec, 1993).

Major Phases

1. Teacher clarifies goals, provides a hook and introductory information
2. Organize student teams with clearly defined roles
3. Facilitate team activities, including academic learning, social skills & cooperative behavior
4. Assess student knowledge throughout the process and/or by team presentations
5. Recognize both group & individual efforts such as active participation and taking responsibility for learning

The 3 instructional goals of cooperative learning are:

1. Academic achievement,
2. Tolerance and acceptance of diversity, and
3. Development of social skills

Jigsaw-Teams

Think-Pair-Share

Four- and Six-Cluster Seating Arrangements

The Swing Seating Arrangement

Cooperative Learning Roles May Include ...

- Timekeeper
- Cheerleader / Facilitator
- Monitor
- Messenger
- Group recorder
- Materials collector
- Reporter
- Final copy scribe

Objectives

1. To help students to learn content of module one of the English method paper through activities done co-operatively.
2. To study the effectiveness of co-operative learning.

Hypotheses

There is no significant difference between the mean achievement test scores of experimental group and control group after experimentation.

Method

Experiment method & two matched group design is used for this research.

Sample

The sample of the study consisted of 60 students studying D.T.Ed. II year students in one of the college in Solapur.

Tools used : A test in English method constructed and validated by the investigator. In control group and experiment group there were 30 students. Student's achievement test marks considered for dividing students in experiment and control group.



Procedure

Two group experimental designs were adopted. Researcher selected English method topic for this research. The Researcher planned activities for D.T.Ed. students to learn co-operatively, helped them to learn co-operatively for experiment group. The Researcher thought control group by traditional method. After the treatment period, post-test was administered for evaluating & to see effectiveness of . The collected data were subjected to statistical analyses and the results obtained were interpreted.

The 't' test was applied to test the significance of difference between the mean achievement test scores of the experimental group and the control group before experimentation. The 't' value (0.14) was not significant at 0.05 level. Hence, it can be inferred that there was no significant difference between the mean achievement test scores of experimental group and control group before experimentation. The 't' test was applied to test the significance of difference between the mean achievement test scores of the experimental group and the control group after experimentation. The 't' value (12.9) was significant at 0.01 level. The students of the experimental group and control group differed significantly in their mean achievement test scores after experimentation. As indicated by the mean value, the students of the experimental group fared better in their achievement than the students of the control group. Hence, the Co-operative learning method increased the achievement of the students.

The 't' test was applied to test the significance of difference between the mean attitude towards Co-operative learning method scores of the experimental group and the control group before experimentation. The 't' value (1.21) was not significant at 0.05 level. Hence, there was no significant difference between the mean attitude towards scores of experimental group and control group before experimentation. The 't' test was applied to test the significance of difference between the mean attitude towards Co-operative learning method scores of the experimental group and the control group after experimentation. The 't' value (3.82) was significant at 0.01 level. Hence, the students of the experimental group and control group differed significantly in their attitude towards Co-operative learning method after experimentation. As indicated by the mean value, the students of the experimental group showed favorable attitude towards Co-operative learning method than the students of the control group after experimentation. The students learning with the help of Co-operative learning method showed favorable attitude towards Co-operative learning method than the students learning through the conventional method.

Other findings included no significant difference between the mean achievement test scores of experimental group and control group before experimentation. There was a significant difference between the mean achievement test scores of experimental group and control group after experimentation. The students of the experimental group fared better in their achievement than the students of the control group, after experimentation. This showed that the Co-operative learning method increased the achievement of the students. There was no significant difference between the mean attitude Co-operative learning method scores of experimental group and control group before experimentation. There was a significant difference between the mean attitude Co-operative learning method c scores of experimental group and control group after experimentation. The students of the experimental group



showed Co-operative learning method than the students of the control group after experimentation. The students learning with the help of Co-operative learning method had favourable attitude Co-operative learning method than the students learning through the conventional method.

Conclusion

The results of this study reveal that co-operative learning method has an impact in teaching to D.T.Ed. Students as compare to lecture method.

References

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