

A STUDY OF MASLOW'S HIERARCHY OF NEEDS FOR INCLUSIVE EDUCATION IN MATHEMATICS

Jagdish B. Rathod, Ph. D.

Principal, College of Education, Ghargaon, Tal - Shrigonda, Dist- A'Nagar.

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1.1 Introduction

A) General Introduction

The word education is derived from the latin word Educare or Educere.

Educare means to lead out i.e. lead out the abilities of a person. Another word Educere means to bring up, to train or to mould. Both meanings are included in the broader concept of education.

Education is of either formal or informal type

Formal Education

This education is well organized, well planned & based on some objectives. It is recognized by society and play important role in earning It is fulltime education with different standards.

Informal Education :-

This education is without any formality like age, pre-education etc. There is no limitation of time, exam or standard etc, person takes informal education according to his need &time.

The formal education is given in different levels like primary, secondary, higher secondary and higher education.

Education at secondary level is given to fulfil the needs of adolescent students. This education includes the subjects like language, science, maths social studies, work experience, physical education etc.

Out of these subjects students find mathematics very difficult. Many students can't score good in mathematics & they have a fear in mind about this subject.

The researcher is teaching in a B.Ed. college since last 10 years While observing lessons of B.Ed. students on secondary school specially mathematics less. Observed following things

- 1) Many students are weak in mathematics.
- 2) Some students hesitate to give answers.
- 3) Student think, other will tease them if they give wrong answers.
- 4) Some students are so confused that they give up solving examples.

Because of this reason may students remain behind from the mainstream of education.

This causes frustration, anxiety & nervousness in students.

This fear about mathematics creates negative attitude in students about their overall achievement. There are many factors for low achievement in mathematics for ex .experienced teacher, teaching method, school environment, psychological, factor parents expectation etc.

One of the factor is self confidence which play important role in academic achievement.

What is self-confidence

Self-confidence is belief in ones

Personal worth & likelihood of succeeding

Self confidence is a combination of self esteem and self efficacy.

So improving children confidence will lead to improved performance & a more successful life in general. Self confidence also brings more happiness. Typically when you are confident about your abilities you are happier due to your success. Also when your feeling better, the more energised and motivated you are to take action and achieve your goals.

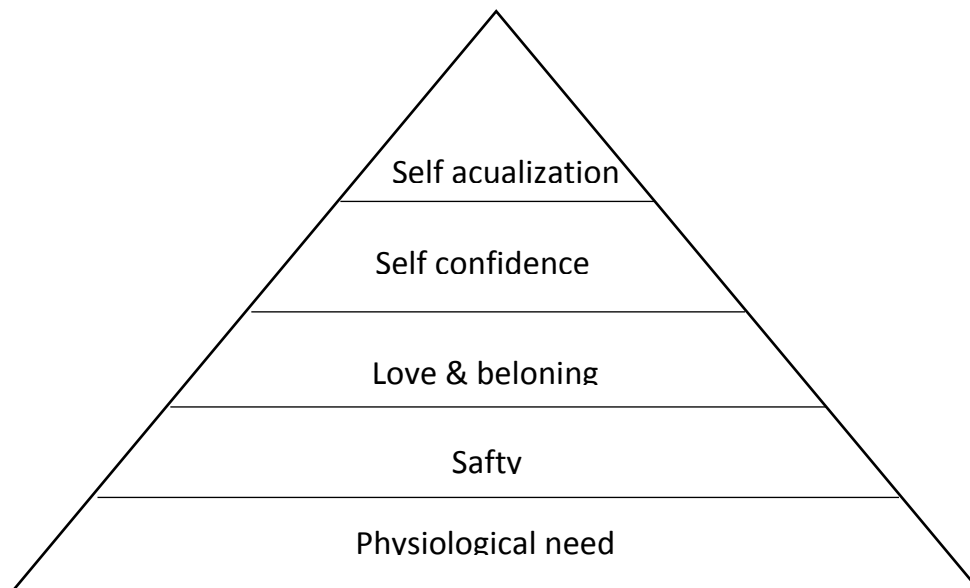
So the researcher decided to study on self confidence in students which is the need of second highest level in Maslow's hierarchy of need.

B) Theoretical Background

1) Maslow's Hierarchy of needs.

This theory states that there are several needs that humans have met to be truly filled but generally the most basic needs must be met before more complex needs.

In this pyramid self confidence is the second higher level of need, just



2) Terror Management theory

TMT is based on the idea that humans hold a great potential for responding with terror to the awareness of their own mortality & that worldviews that emphasize peoples belief in their own significance as human protects them against this terror.

3) Sociometer theory-

Suggests that self esteem is an integral gauge of the degree to which one is included or excluded by others. This theory rests on the conception of self esteem as an integral individual perception of social acceptance and rejection.

1.2) Statement of the problem

To study the effect of Maslow's Hierarchy of needs for academic achievement in mathematics of standard 9th students for inclusive education.

1.3) Definations of the important terms

1.3.1) Study

Conceptual definition:

A detailed analysis of a subject or situation

Situation (Oxford dictionary)

Operational definition:

In this research study means detail information about effect of self confidence for mclusive education in mathematics for standard 9th students.

1.3.2) Maslow's Heirarchy of needs

Conceptual definition

It is a theory in psycholoty proposed by Abraham maslow's in his 1943 paper A theory of human motivation in psychology review (Educational psychology-Mangal S.K)

Operational definition

It is the theory proposed by Maslow comprising a five level models of human needs often depicted as hierarchical levels within a pyramid.

1.3.3) Inclusive education

Conceptual definition

Education with the acceptance of all pupils within mainstream education system taught within a common framework & identified as responsibility of all teachers (thomes, 1991)

Operational Definition

In this research it is the education where students of 9th standard with low achievement in mathematics are taught with student with higher achievement in mathematics.

1.3.4) Mathematics

Conceptual Definition

An abstract science of number, quality and space ether as abstract concepts or as applied to other disciplines as physics, engineering etc. Operational Definition.

It is one of the subject of school Curriculum related to operations of numbers of standard IX.

1.4) Need and Importance

1. Secondary School Student-Secondary school student with low Mathematics achievement will get proper guidance.
2. Teachers- Research will be helpful to teachers to develop self confidence in students and altimately the academic achievement in mathematics will increase.
3. Parents- Research will be helpful to parents to we increase the self confidence of the children.
4. School-Student's overall increase performance in mathematics will helpin academic progress of school.
5. Society-There is need to slove the major problem of failure of students in mathematics and resolve the related problems.

1.5) Objectives of the research

- 1) To collect infamation about academic achievement in Mathematics of standard 9th student
- 2) To check the self-confidence of 9th standard students.
- 3) To prepare & implement need based programme for developing self confidence in 9th standard students.
- 4) To establish the effectiveness of training programme on academic achievement in mathematics of standard 9th students.

1.6) Research question & Hypothesis

What is current status of academic achievements in mathematics of standard 9th students?

What is exactly self confidence?

What is the present status & self confidence?

What are the problems of teacher who teach mathematics?

What is Maslow's Hierarchy & of need

How the problem of mathematics achievement be solved?

1.8 Assumptions:

- 1) Mathematics is taught in every secondary school.
- 2) There are fixed number of periods for mathematics in timetable.
- 3) Students have problems in mathematics.
- 4) Many students have low Mathematics achievement.
- 5) Achievement in mathematics depends on many factors.

1.9) Research Methodology

1.9.1) Area of research

The present research is about the effect of self confidence for achievement in mathematics subject for inclusive education. So the area of research is psychology & inclusive education.

The present research will be carried out by applying mixed method i.e. survey method and experimental method.

1. Researcher will use survey method to collect information about present status of achievement in mathematics subject from teacher, classes etc.
2. Experimental method will be used to check the effect of self confidence on achievement in mathematics with the help of pre-test, post-test.

1.9.3) Population, Sample and sampling Technique.

Population - Students of Standard IX from Marathi medium schools in Ahmednagar district.

1.10) Scope, limitation & delimitations

Scope:

- 1) The research will be helpful for all students studying in 9th standard.
- 2) The research will be helpful for all teachers teaching in secondary school.
- 3) The research will be helpful for students of all mediums.

4) The research will be useful to increase the achievements in all subjects

Limitation of the research

1. The present research is related of subject mathematics only.
2. The effect of only one level of Maslow's pyramid i.e. self confidence checked.
3. The programme is related to 9th standard students.
4. The finding of research will be based on the responses given by the respondent to training programme.
5. Family, social, economical, rural or urban background are not considered regarding self confidence development of a student in present research.

Delimitations of the study:

Research is delimited to 9th standard students.

Research is delimited to subject mathematics in Ahemdnagar district only.

Students with low mathematics achievement will be chosen for accent experiment.

1.11) Result:

1. The study will be helpful for students, teachers & classes for increasing student's achievement.
2. If the proposed programme prove effective if will certainly provide a plat from for students lagging behind in mathematics.
3. The study will helpful for students to build up self confidence useful for future life.

Reference:

- Bhatnagar A.B, Bhatnagar Meenakshi, Bhatnagar Anurag (2003) psychology of Teaching & Learning: Learning & Motivation. Merrut: Published by Vinay Rekhejia*
- Dandekar V.N., Makhja Sanjoglata (2009). Psychological Foundation of Education: Motivation Chennai, Macmilian India press.*
- Kuppuswamy B. (2010). Advanced Educational Technology: Motivation & Learning. Mysore, Sterling publishers.*
- Sharma R. A. (2005). Foundation of Educational Psychology: Psychology of Motivation Merrut: Published by Vinay Rakheja.*
- दांडेकर, वा. ना. (2002). शैक्षणिक व प्रायोगिक मानशास्त्र पुणे: श्रीविद्या प्रकाशन*
- भिंताडे, वि. रा. (2007), शैक्षणिक संशोधन पद्धती, पुणे नित्यनूतन प्रकाशन.*
- मुळे रा. श आणि उमोठ वि. तु (1997) शैक्षणिक संशोधनाची मुळतत्वे नागपूर महाराष्ट्र साहित्य निर्मिती मंडुक Govt. the information A Educational research.*