Community resources for Mathematical learning

Use Community Resources to Improve Teaching and Learning

SADBHAVNA

WE BUILD HUMAN CAPITAL

community

The word "community" is derived from Latin and has been used in the English language since the 14th century. The word **community** is derived from the Latin *communitas* (meaning the same), which is in turn derived from *communis,* which means "common, public, shared by all or many" (encyclopedia).

- A **community** is a group of people living in the same place or having a particular characteristic in common such as norms, religion, values, or identity.

Concepts of community based resources

- Proponents of community based generally argue that the students will be more interested in the subjects and concepts being taught, and they will be more inspired to learn, if academic study is connected to concepts, issues, and contexts that are more familiar, understandable, accessible or personally relevant to them.
- By using the Community as a classroom, teachers can improve knowledge retention, skill acquisition and preparation for adult life because of students can be given more opportunities apply learning in practical, real life settings- by researching a local ecosystem

Community resources for Mathematical learning

- Community plays a vital part for the development of various concepts in mathematics such that reasoning, observation, representation etc.
- It gives an opportunity for better inquiry system for learning.

At School level

- There can be school particulars and school buildings, corridors, classrooms, walls, mathematics lab, club, group of mathematics teachers or mentors and mathematical exhibitions can help in better teaching-learning process of mathematics and improve performance in mathematics.

Mathematics Laboratory:

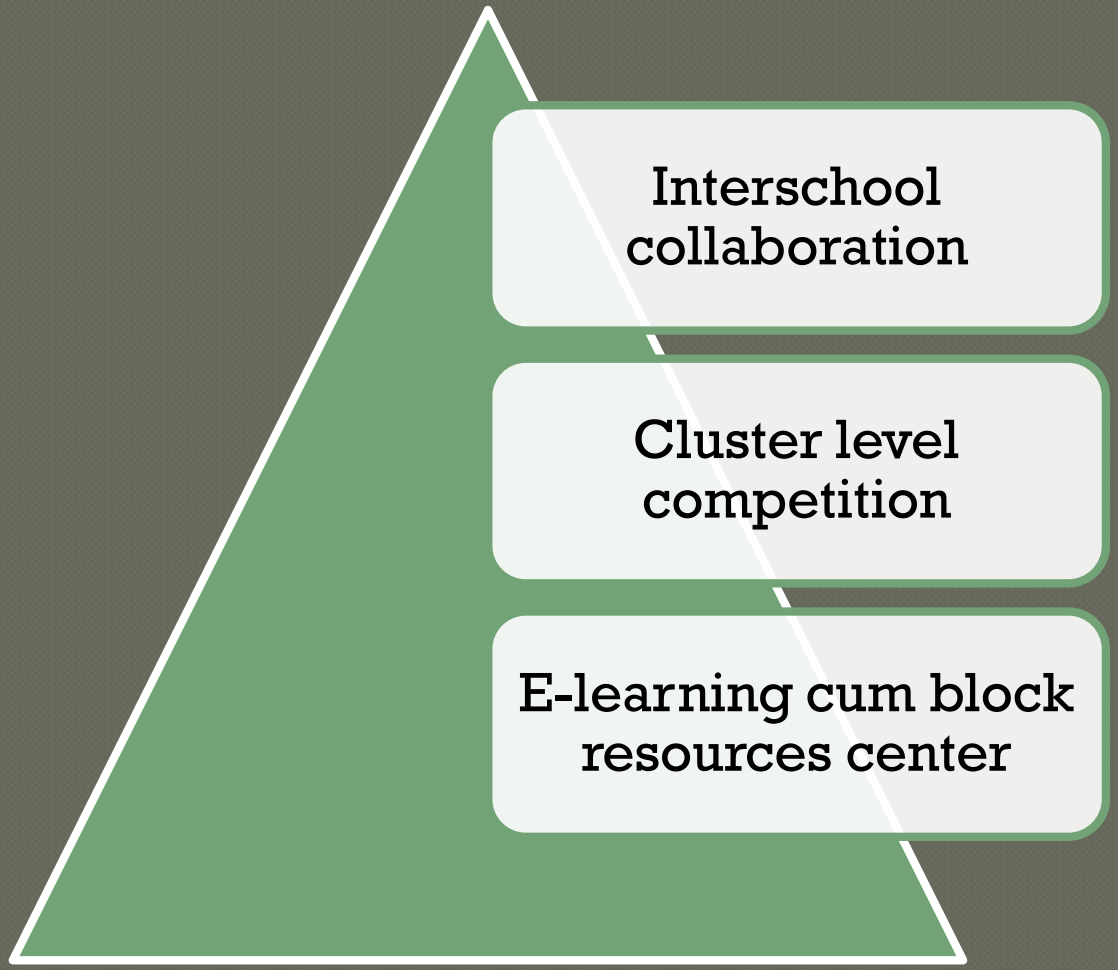
- In mathematical lab electronic calculator, graph machines, mathematical puzzles boards, geometry kit etc. material is available.
- It can help in building the learning of abstract concepts in mathematics having experiments, activities, hands on experience, verification etc.
- NCF-2005 mentions that one of the important aims of mathematics education is "to develop the child's resources to think and reason mathematically to pursue assumptions to their logical conclusion and handle abstractions"
- Mathematical lab develop a habit of thinking, reasoning and rationalization through logical conclusions.

Mathematical club/community/society:

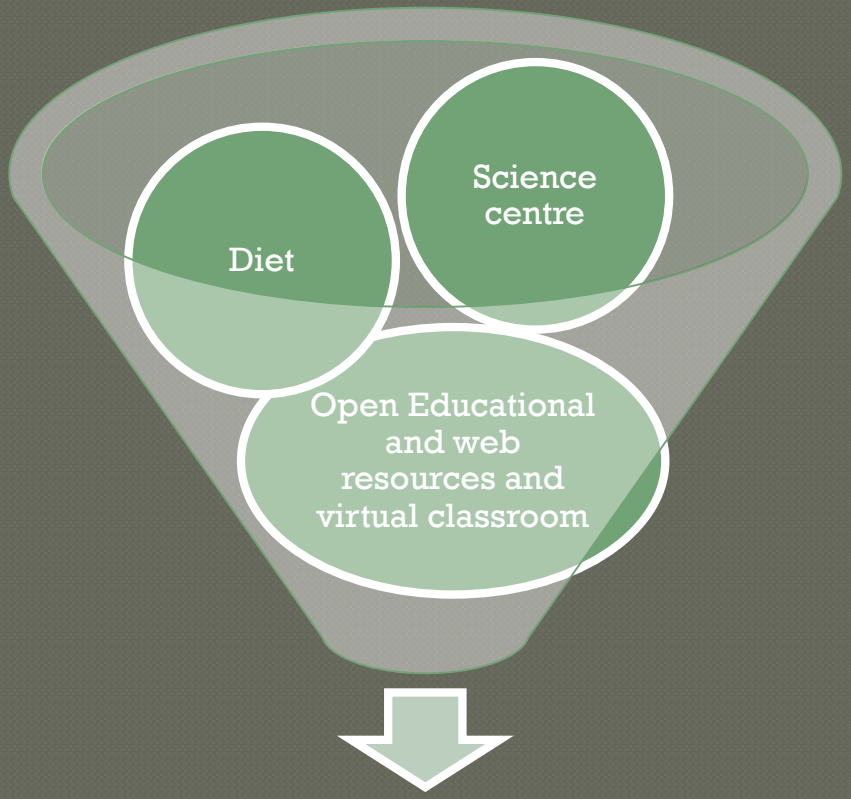
- Various sorts of activities, discussion, quiz at school level, mathematical excursion and tour, lecture by experts, workshops, competitions can be organized by mathematical club.
- Group project can be taken in a form which pave the way for better learning of mathematics with a shift from independence to interdependence, disciplinary to interdisciplinary and from product to process

School Library

Block level


Interschool collaboration
Cluster level competition
E-learning cum block resources center

District level



Handling Hurdles in Utilizing resources

- **Social and Ethical hurdle**
- Respect for all religion
- Respect for disabled
- Respect for elders
- Democratic environment
- Gender equality
- Respect for environment

Technical Hurdles

- Color
- Music
- Use of Screen
- Speed
- Smoothness in Animation
- Special effects

Others…

- Teacher Friendliness
- Teacher training and skilled development
- Students-centered
- Properly audio and usual material


thank you