

MATHEMATICAL MODELLING

INTER-HOUSE COMPETITION

Date:	25.11.22
Venue:	ATL LAB
Time:	Bal Sabha
Classes Involved:	IX & XI

DESCRIPTION OF THE ACTIVITY:

A mathematical model is a description of a system using mathematical concepts and language. Mathematical models are used in natural sciences, non- physical systems such as social sciences, engineering etc. A real- world problem is described in mathematical terms such as equations, functions, variables, geometry. The aim of the activity is to exemplify the value of mathematics in problem solving

RULES AND REGULATIONS:

- *Each house to be represented by a team of two students.
- *Each team will select one real – life/ practical problem to be converted into a mathematical model.
- *Each team will explain the problem and its solution on the basis of the concepts chosen.
- *The teams can prepare a physical or a virtual model to be showcased.

CRITERIA FOR JUDGEMENT:

- *Understanding of the problem taken up by the team.
- *Representation of the problem in terms of mathematical equations correctly.
- *Physical/ virtual model of the problem along with the solution provided by the team.

Convenor
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