

# Outcomes of Vijnan Manthan

- By the end of this course, the students will be able to understand, and actively make use of the scientific method in daily life.
- One of the major objectives of this course is to acquaint students with the notion of unification, and make them understand the interdisciplinary nature of the sciences.
- By making this course inquiry oriented (and not just inquiry based), we prepare the students to think like scientists, and apply this thinking in real world scenarios.
- Another major outcome of this course is to expose the students to a wide variety of scientific areas, building bridges between several seemingly unrelated fields and breaking down misconceptions or shedding light on ‘impossibilities’.

## Expectations from the students

- **Curiosity:** Students who display a natural curiosity about the world around them and ask questions about how things work.
- **Critical Thinking:** Those who can think critically, identify problems, and come up with creative (out of the box) solutions.
- **Strong Math Skills:** A solid foundation in mathematics is crucial for many branches of science.
- **Passion for Exploration:** Students who enjoy conducting experiments, making observations, and exploring new ideas are likely to thrive in a rigorous science program.
- **Scepticism:** Questioning and reshaping worldviews is an essential part of the scientific discovery process.
- **Persistence and Resilience:** Science often involves facing challenges and setbacks. Hardworking children who persevere and continue to seek answers would demonstrate potential.
- **Independence:** While collaboration is essential, students who can work independently and take initiative can excel in rigorous science programs.
- **Extracurricular Involvement:** Participation in science-related extracurricular activities, such as science clubs, science fairs, or STEM camps, can be a sign of a strong interest and aptitude for science.