

# MATHEMATICAL TOOLS FOR JEE ASPIRANTS

Bridging the gap between classes 10 and 11

**Instructor:**

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**Course Overview:**

This course bridges the gap between class 10 mathematics and the advanced mathematical tools required for JEE preparation. It focuses on fundamental concepts with an emphasis on their application in physics problems. Prepare to excel in your JEE journey!

**Key Topics:**

- Trigonometry
- Quadratic Equations
- Progressions
- Binomial Theorem
- Coordinate Geometry
- Functions & Graphs
- Logarithms
- Differentiation
- Integration
- Differential Equations
- Vectors

**Emphasis:** Application in Physics

## Course Objectives

Upon completion of this course, students will be able to:

- Master fundamental mathematical concepts.
- Apply these concepts to solve complex physics problems.
- Develop a strong foundation for JEE preparation.
- Enhance problem-solving skills and analytical thinking.
- Gain confidence in tackling challenging mathematical problems.