

IGNITE

Advanced Science & Mathematics
Foundation Program

*For Students of Classes
7, 8 & 9 (Age 13–15 Years)*

**CARE – Centre for Advanced Research
in Education, Bengaluru**



Program Overview

In today's competitive world, success in exams like IIT-JEE and Olympiads is not about solving more problems—it is about **understanding deeply, thinking clearly, and applying intelligently.**

IGNITE is a carefully designed **2-year advanced foundation program** that transforms students from passive learners into **analytical thinkers and problem solvers.**

At this stage, students must go beyond basics. They must learn to:

- Connect concepts across subjects
- Apply knowledge in unfamiliar situations
- Think logically and independently

IGNITE does exactly that.

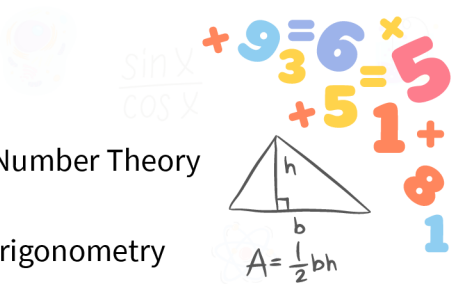
Who is this program for?

- Students studying in **Class 7, 8, or 9**
- Age group: **13 to 15 years**

- Students aiming for:
 - Strong foundation for **IIT-JEE / NEET**
 - Preparation for **Olympiads**
 - Deep understanding of Science & Mathematics

Subjects Covered

- Physics
- Chemistry
- Biology
- Arithmetic & Number Theory
- Algebra
- Geometry & Trigonometry



Program Structure

Duration: **2 Years**

Total Books: **12 (6 per year)**

Total Content: **2400+ Pages (A4 size)**

Chapters: **~100 Chapters**

Worksheets: **500 Practice Sheets**

Each book is designed with a **balanced blend of theory, application, and problem solving**, ensuring **complete mastery of concepts**.

What Makes IGNITE Different?

Unlike conventional coaching methods that focus on shortcuts and memorization, IGNITE emphasizes:

Conceptual Clarity First

- Learn the “*why*” behind every concept
- Understand definitions, laws, and principles in depth

Multi-Disciplinary Learning

- Apply mathematics in physics
- Connect chemistry with real-world phenomena
- Integrate knowledge across subjects

Analytical & Application-Based Thinking

- Move from learning → understanding → applying → analysing
- Solve real-life and exam-oriented problems

No Shortcut Dependency

No Rote Learning Pressure

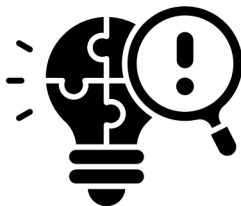
Inside Every Chapter

Each chapter is carefully structured to ensure **complete understanding and mastery**:

- Clear **concept explanations**
- Definitions with meaning and context
- **Derivations of formulae and equations**
- Variations and applications of concepts
- **6+ worked examples**
- **10+ illustrations, diagrams, tables, graphs**
- Activities and mini-projects
- Real-life applications and anecdotes

Comprehensive Exercise Section

- 20–40 questions per chapter
- Based on **Bloom's Taxonomy**:
 - Memory
 - Understanding
 - Application
 - Analysis



Worksheets – The Core Strength

5 Worksheets per Chapter

Total: **500 Worksheets (2 years)**



These worksheets:

- Strengthen conceptual understanding
- Build problem-solving ability
- Help students identify strengths and weaknesses

Answer keys provided for **self-evaluation**

Encourages **independent learning and reflection**

Academic Support System



Fortnightly Doubt-Clearing Sessions

1 session every 2 weeks

Duration: 2 hours each

Total: **48 hours of expert academic support**

Doubt Submission

- Via **WhatsApp or Email**
- Discussed in live sessions



Assessment & Evaluation

3 Periodical Tests (every 2 months)

1 Final Comprehensive Test

Detailed Performance Analysis Includes:

- Strengths and weaknesses
- Conceptual understanding level
- Problem-solving ability
- Personalized feedback

Why IGNITE?

Because success in competitive exams requires:

Strong fundamentals

Deep conceptual clarity

Analytical thinking

Application skills

IGNITE ensures that students:

- Think like scientists
- Solve like mathematicians
- Learn with clarity and confidence

Fee Structure

One-Time Payment: ₹40,000

Yearly Payment: ₹24,000

Important Dates

Admissions Close: **May 31, 2026**

Course Begins: **June 1, 2026**

Study Material Dispatch: **First Week of June 2026**

Designed by Experts

All course materials are developed by a team of **experienced subject matter experts, ensuring:**

- Academic accuracy
- Logical progression
- Competitive exam relevance

Final Word

“Shortcuts may solve a problem. But only understanding builds a future.”

IGNITE Your Thinking. IGNITE Your Future.

CARE – Centre for Advanced Research in Education, Bengaluru

Building Thinkers. Not Just Toppers.