

# **BRAINSHINE ACADEMY**

*Online*  
**HOME  
TUITIONS**



**9080138609**

[www.brainshineacademy.com](http://www.brainshineacademy.com)

# BRAINSHINE ACADEMY



## How Our Online Tuition Works

### Book a Free Consultation:

Start by filling out our online form or contacting us. We'll understand your needs and match you with the right tutor.

### Customized Learning Plan:

After assessing your requirements, we create a personalized lesson plan that works best for you.

### Live Sessions:

Engage in interactive live sessions with your tutor via video conferencing tools. You'll be able to ask questions, get instant feedback, and track progress in real-time.

### Study Materials & Homework Help:

Receive study materials, practice worksheets, and homework support to reinforce your learning.

### Progress Tracking:

Regular feedback and progress reports will help you stay on track and achieve your learning goals.

## **CLASSES WE OFFER**

### **ONE-TO-ONE:**

We allocate one teacher to only one student so that the student interact with teacher and learn the concepts thoroughly.

### **GROUP CLASS FOR 5 STUDENTS:**

We allocate one teacher for group of 5 students. This promotes friendly competition and interactive classes while simultaneously maintaining an individual learning experience for each student.

### **GROUP CLASS FOR 10 STUDENTS:**

We allocate one teacher for group of 10 students. All the features are the same as above group class and it is cost effective.

### **GOAL:**

Make the students master the concepts deeply.

### **PRACTICE STYLE:**

Let the students understand the concepts through explaining with real time examples.

### **TEACHING APPROACH:**

Teacher cues the student to discover the answer.

The teachers here are highly experienced and well-qualified, having graduated from prestigious institutions such as IIT, NIT, IIIT, CLRI, Anna University, and others. Their expertise and strong academic background contribute significantly to the high-quality education provided.

## What We Do?



*At Brainshine Academy, we offer comprehensive range of online tutoring services designed to support students at every stage of their academic journey.*

## Why choose us?

**Personalized learning:** We provide tutoring sessions to each students unique needs, learning style, and pace. Our tutors adapt their methods to ensure every lesson is both engaging and effective

**Test Preparation & Exam Strategies:** Our test preparation services focus on strategy, practice, and review to help you succeed in your exams

**Progress Monitoring & Feedback:** We track your progress and provide regular updates on your improvement. Our tutors give constructive feedback, recommend areas for further growth, and ensure you stay on track to meet your academic goals.

**Homework Assistance:** We offer tutoring sessions to support you with school projects, essays, and homework.



# MATHS CURRICULUM

Topic	Sub Topic	No. of Classes
Applications of Matrices and Determinants	Introduction, Inverse of a Non-Singular Square Matrix, Adjoint of a square Matrix, Properties of inverses of matrices, Row-Echelon form and others.	3-4
Complex Numbers	Introduction to Complex Numbers, Powers of imaginary unit, Rectangular form, Properties of complex numbers, Geometrical representation of conjugate of a complex number, Properties of Complex Conjugates, others.	3-4
Theory of Equations	Introduction, Basics of Polynomial Equations, Different types of Polynomial Equations, Quadratic Equations, Vieta's Formulae and Formation of Polynomial Equations and more.	3-4
Inverse Trigonometric Functions	Introduction, Some Fundamental Concepts, Domain and Range of trigonometric functions, Graphs of functions, Amplitude and Period of a graph, Inverse functions and more.	5-6
Two Dimensional Analytical Geometry-II	Introduction, Circle, Equation of a circle in standard form, Conics, The general equation of a Conic, Parabola, Hyperbola, Geometric description of conic section, and more.	4-5
Applications of Vector Algebra	Introduction, Geometric Introduction to Vectors, Scalar Product and Vector Product, Geometrical interpretation, Application of dot and cross products in Geometry, Vector triple product and more.	3-4
Applications of Differential Calculus	Early Developments, Meaning of Derivatives, Derivative as rate of change, Equations of Tangent and Normal, A Limit Process and more	3-4
Differentials and Partial Derivatives	Introduction, Linear Approximation and Differentials, Errors: Absolute Error, Relative Error, and Percentage Error, Differentials	3-4

Applications of integration	Introduction, Fundamental Theorems of Integral Calculus and their Applications, Improper Integrals, Reduction Formulae, Gamma Integral, Evaluation of Bounded Plane Area by Integration	4-5
Ordinary Differential Equations	Introduction, Differential Equation, Order, and Degree, Formation of Differential Equations, Solution of First Order and First Degree Differential Equations, Applications of First Order Ordinary Differential Equations.	4-5
Probability Distributions	Random Variable , Types of Random Variable, Discrete random variables, Cumulative Distribution Function or Distribution Function, Continuous Distributions, Distribution function from Probability density function	4-5
Discrete Mathematics	Binary Operations, Definitions, Some binary operations on Boolean Matrices, Modular Arithmetic, Compound Statements, Logical Connectives, and Truth Tables, Duality.	4-5

# WHAT STUDENTS SAY

Y

★★★★★

- by Yuvaraj  
attended BTech Tuition  
posted on 04 Jul, 2018

"Vastly experienced, Elusive teaching, clears doubt on par to the student capacity, motivating person."

R

★★★★★

- by RAJAVIKNESH  
attended Class 11 Tuition  
posted on 04 Jul, 2018

"Excellent in teaching. Level of teaching is totally well and good. I recommend. Tutor is having good knowledge on teaching the subjects. Especially I get support whenever I needed."

R

★★★★★

- by Rajesh  
attended Class 10 Tuition  
posted on 04 Jul, 2018

"Way of explaining the concepts is very good. Theoretical as well as technically good."

G

★★★★★

- by GEETHA BIMALRAJ  
attended Class 9 Tuition  
posted on 05 Jul, 2018

"Excellent tutor. Very dedicated and thorough in teaching. Has been teaching for the last three years and have not had any issues. definitely recommended."

T

★★★★☆

- by Thamim Fathima Nisha.A  
attended BTech Tuition  
posted on 12 Jul, 2018

"Very good. He is more interactive with us. He teaches us more concepts clearly. He clears our doubts without any hesitation."

P

★★★★★

- by Pavi

attended **Class 12 Tuition**

posted on 24 Sep, 2019

"Best one for all subject well experience in all subjects daily tests and clearing doubts with an example soon. "

S

★★★★★

- by Saravanan

attended **Class 10 Tuition**

posted on 24 Sep, 2019

"Good mentor. Really helped in my exam preparation. Thank you sir for being my tuition teacher. "

B

★★★★★

- by Bharathi

attended **Class 10 Tuition**

posted on 24 Sep, 2019

"Rajavel sir is very kind and humble. He won't scold if done a mistake. We can easily understand when he teaches. He will teach us a line by line. He is the best teacher I have ever seen in my life. "

★★★★★

- by Sathidevi S Raj

attended **Class 10 Tuition**

posted on 25 Sep, 2019

"Very polite and humble. Makes the student understand the concepts in easiest way and spends quality time with student. Student is very comfortable. "

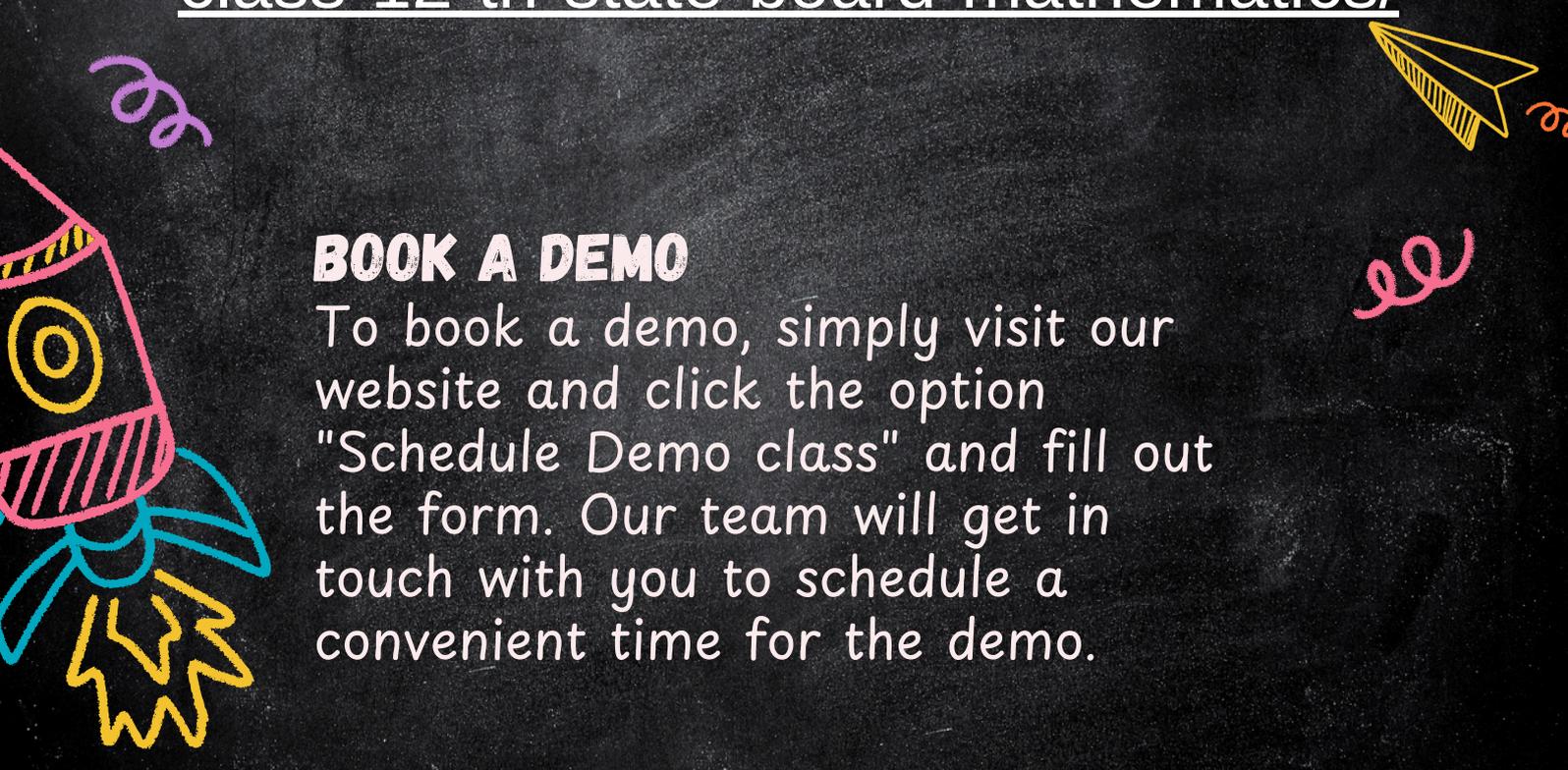


thank  
you

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### BOOK A DEMO

To book a demo, simply visit our website and click the option "Schedule Demo class" and fill out the form. Our team will get in touch with you to schedule a convenient time for the demo.

"We motivate the students to build skills and develop confidence as they pursue educational success."