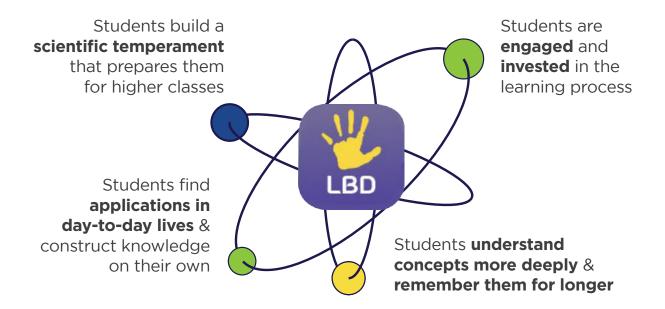


DO SCIENCE. LEARN SCIENCE.

## THE SCIENTIFIC



#### LBD deepens conceptual understanding & prepares students to apply learning in life



#### Various approaches of LBD that deliver Experiential Learning

#### **EXPERIMENTS**

#### Learn by Doing

#### **Buoyant Force Experiment!**

Take a plastic ball, a tennis ball, and a glass marble. Push each one to the bottom of a beaker filled with water. Which object does not experience sufficient buoyant force to float back to the surface? Share your findings with the class.



#### **INVESTIGATIONS**

#### Learn by Doing Let's measure the length of shadows! Plant a stick in a sunny spot. Trace and measure the length of its shadow in the morning, noon, and evening. Record your observations in the table below. 8 am 12 pm 3 pm

When is the shadow the longest and the shortest?

#### **HANDS ON ACTIVITIES**

#### Learn by Doing

#### Let's create craters!

Smooth some dry sand on a plate with your fingers. Drop a few marble balls onto it. Did you see craters after dropping the marbles? This is how craters look on the Moon



#### **ROLE PLAYS**

#### Learn by Doing

#### Let's role play!

In groups, draw a zebra crossing on the floor with chalk, and then role-play how to stay safe on the road. You can act as the people on the road, vehicles, or a traffic police person.



#### **MODELS**

#### Learn by Doing

#### Let's create joints!

Using a pencil, a ball, and a cup, make a ball-and-socket model.

Can you create a model of any other joint using materials from your

#### **POSTERS & CHARTS**

#### Learn by Doing

#### Let's Make a Poster!

Collect different types of cloth pieces. Using a pair of scissors and glue, create a poster showing the clothes that people wear based on different weather conditions, traditions, and occupations.



# **A** ADVANTAGE



# SEAMLESS INTEGRATION OF NEP & NCF RECOMMENDATIONS FOR ENHANCED LEARNING

#### **21st Century Skills**

Deeply integrated in all chapters to prepare students for real-world challenges

#### **Thinking Skills**

such as solving real-world problems, creating new ideas & learning from mistakes





#### **Communication Skills**

such as presenting ideas & communicating effectively



#### **Collaboration Skills**

such as working with others & appreciating others' ideas



#### **Connect to Life**

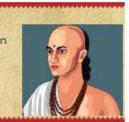
Helps students understand concepts more deeply and see their practical relevance

## Connect to Life

Look at your wrist. The blue lines are the blood vessels.

# appreciate Indian cultural heritage

Aryabhata, an ancient Indian astronomer, stated that the Earth is round in his book, the 'Aryabhatiya'.



**Indian Rootedness** 

Helps students celebrate and

### **Enrichment Activities after every chapter**

Enhances depth of knowledge and practical application in each discipline

#### **Subject Enrichment**

helps students dive deeper into the subject by doing a variety of activities, projects, and field trips.



#### **Cross-curricular connect**

helps students understand interlinkages between subjects.



#### **Environmental Awareness**

helps students develop an understanding of the environment and learn to care for it.





### Connected

# At-Home Learning enabled through the Student App

Books powered with easy access to an unparalleled digital repository to enhance student engagement & proficiency



Learn with Animations



Earn XPs and Level Up as You Learn



Learn with Interactive Games



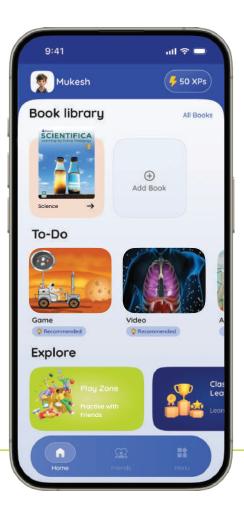
Practise with Friends



Learn with Videos



Practise with Quizzes and Exercises



# Teaching Experience transformed through the Active Teach App

Teachers have a world of knowledge at their fingertips





SCAN & EXPERIENCE HOW SCIENCE BECOMES ENGAGING & EXPERIMENTAL WITH SCIENTIFICA