

## Science at Lido Learning:

Your child can become an extraordinary problem solver!

### The Benefits of Learning Science Now:

#### Build On Inventor Mindset

Consistently think logically  
and build real-world  
solutions!



1

#### Become Exam Ready

All college entrance exams have a  
math section - math proficiency  
will help your kid ace exams!



2

#### Be Future Ready

A strong science foundation  
is needed for all future  
careers in innovative fields.



3

## Why is **Science at Lido** the perfect choice:



### Curriculum

Lido's World-Class Curriculum is designed by Harvard, Stanford, and IIT Alumni!



### Group Classes

Lido's group classes result in better conceptual understanding, a fun learning environment, and holistic personality development!



### Tutors

Lido's smart yet empathetic teachers are trained rigorously to not just teach but mentor your child!



### Personalisation

Lido personalizes your child's experience — from creating the perfect batch to personalized homework after each class — so that your child can reach their full potential!



### Parent Tracking

Lido tutors will ensure you know how your child is performing, including areas of development, through regular Parent-Teacher Meetings (PTMs) and the performance tracking feature within the Super Parent App!

## The perfect **Science course** for academic and lifelong excellence!

1



### Biology

Students will master the concepts of Biology through interactive learning of concepts ranging from the human body to plant life.

2



### Physics

Your child will learn all about the application of the concepts of Physics including heat, sound and light through fun experiments and real world examples!

3



### Chemistry

Students will enjoy learning all about the concepts of Chemistry and their application through interactive games and activities!

 **Lido Exclusive!**

4



### Milestone Test Lessons

Every chapter ends with a milestone test that assesses the overall progress of the student. Students receive a detailed analysis of their strengths and weaknesses after each test, as well as personalized practice.

 **Lido Exclusive!**

5



### Exam Prep Lessons

In order to retain any information in our brain, we have to refresh it periodically. Revision Lessons are based on the concept of spaced repetition where students revise and practice core concepts at regular intervals.

 **Lido Exclusive!**

6



### Science + Coding

Students will learn how to code to create apps and games based on specific scientific concepts and enjoy the process of learning!

 **Lido Exclusive!**

7



### Project-Based Lessons

Students create engaging projects on challenges and problems they may face in the real world. Our project-based approach guarantees that science comes to life.

 **Lido Exclusive!**

6



### Group Learning Lessons

Engage your Child through peer learning that involves a group of students working together to think & solve a problem, explore the knowledge of scientific application-based phenomenon.

 **Lido Exclusive!**



### Parent-Teacher Meets

At Lido, we believe that parents need to be engaged participants in their child's learning journey. PTM lessons are periodic meetings where teachers review student progress with parents.

 Chapter 1

## Matter in our Surroundings

## What you will learn



L1: Matter is made up of Particles



L2: Interconversion of States of Matter



L3: Evaporation and its Factors



L4: Matter in our Surroundings: Group Learning



L5: Up in the Air!: Project-Based Lesson



L6: Matter in our Surroundings: Milestone Test

## What you will build

A rocket launch is such a dramatic phenomenon! A household pressure and its whistle seem so trivial. Build a rocket in your home just using kitchen material.



## What you will earn

**Junior Chemist Certificate**

Earned for learning about matter & how heat influence the conversion of states of matter.



 Chapter 2

## Motion: Numericals II

## What you will learn



L7: Motion: Introduction



L8: Motion in One Direction



L9: Motion Direction



L10: Kinematical Equations and Motion Graphs



L11: The Physics of Motion: Group Learning



L12: Motion: Numericals



L13: Graphical Numericals Motion



L14: Name that Motion!: Project-Based Lesson



L15: Motion: Milestone Test

## What you will build

Learners observe an animation and use an understanding of velocity and acceleration concepts to find the appropriate description that matches the motion.



## What you will earn

**Junior Physicist Certificate**

Earned for mastering different concepts related to motion and interpreting motion graphs.



 Chapter 3

## Cell

## What you will learn



L16: The Functional Unit of Life - Cell



L17: Composition of a Cell



L18: Introduction to Cell:  
Group Learning



L19: Cell Organelles - ER, Ribosomes,  
Lysosomes & Golgi Body



L20: Cell Organelles - Mitochondria,  
Plastids, Vacuole & Centrosome



L21: Cell Organelles:  
Group Learning



L22: The Superpower of Cell Shape:  
Project-Based Lesson

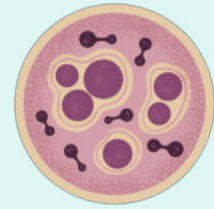


L23: Cell: Milestone Test

## What you will build

Explore the smallest and the busiest room in an organism - The Cell

Study how a cell performs all its functions efficiently and how it acts as the structural and functional unit of life.



## What you will earn

## Lido's Young Cytologist Certificate

Earned for understanding the basic foundational concepts of cell structure and functions.



 Chapter 4

## Is Matter around us Pure?

## What you will learn



L24: Mixtures and their Separation



L25: Liquid-Liquid Mixtures



L26: Separation of Liquid - Liquid Mixtures



L27: Fascinating Techniques: Group Learning



L28: Is Matter around us Pure: Milestone Test

## What you will earn

**Young Scientist Certificate**

Earned for learning about mixtures & separation techniques of different types of mixtures.



 Chapter 5

## Force and Laws of Motion

## What you will learn



L29: Newton's First Law of Motion



L30: Newton's Second Law of Motion



L31: Inertia at Play:  
Group Learning



L32: Newton's Third Law of Motion



L33: Forces and Laws of Motion:  
Numericals I



L34: Forces and Laws of Motion:  
Numericals II



L35: Laws of Motion:  
Group Learning



L36: Newton's Laws at Work:  
Project-Based Lesson



L37: Force and Laws of Motion:  
Milestone Test

## What you will build

When forces are unbalanced, objects accelerate. But what factors affect the amount of acceleration?

This lesson allows learners to investigate a variety of factors that affect the acceleration of a box pushed across a surface. The amount of applied force, the mass, and the friction can be altered.

Students will be able to describe Newton's First, Second, and Third Laws of Motion and identify examples of these laws at work in the world around them.



## What you will earn

**Lido's Youngest Newton Certificate**

Earned for understanding and applying Newton's Laws of motion.



 Chapter 6

## Tissues

## What you will learn



L38: Plant Tissues:  
Meristematic Tissues



L39: Plant Tissues: Permanent  
Tissues



L40: Animal Tissues: Connective  
Tissues



L41: Animal Tissues: Muscular  
Tissue and Nervous Tissue



L42: Animal Tissue: Epithelial Tissues



L43: Mind-mapping Tissues:  
Group Learning



L44: Tissues: Milestone Test

## What you will earn

## Lido's Junior Tissue Expert Certificate

Earned for learning about the different types of plant and animals tissues.



 Chapter 7

## Structure of the Atom

## What you will learn



L45: Subatomic Elements & their Discoveries



L46: Different Models for Structure of Atom



L47: Understanding Atom: Group Learning



L48: Distribution of Electrons into Shells, Valency



L49: Electronic Configuration



L50: Elements Bee: Project-Based Lesson



L51: Structure of the Atom

## What you will earn

**Junior Expert Certificate**

Earned expertise in calculating the atomic number of different elements.



## Chapter 8

## Natural Resources

## What you will learn



L52: Air and Water



L53: Air Pollution



L54: Water Pollution

L55: Prevent Pollution:  
Group Learning

L56: Soil and Land Pollution



L57: Biogeochemical Cycles

L58: Climate Change:  
Project-Based Lesson

L59: Soil &amp; Cycles: Group Learning

L60: Natural Resources:  
Milestone Test

## What you will build

Learners observe 'Climate Change Timeline' and understand about rising sea levels, Carbon dioxide and global temperature. They will learn about modes for prediction of weather/climate. Finally they evaluate a given situation, identify its impact on the environment and come up with solutions to prevent climate change.



## What you will earn

## Lido's Pollution Expert Certificate

Earned for studying the causes, effects, and prevention methods of different types of pollution.



 Chapter 9

## Revision &amp; Exam Prep: Term I

## What you will learn



L61: Matter in our Surroundings and  
is Matter around us Pure: Revision



L62: Matter in our  
Surroundings: Exam Prep



L63: Is Matter around us Pure:  
Exam Prep



L64: Motion: Revision



L65: Motion: Exam Prep



L66: Laws of Motion: Revision



L67: Laws of Motion: Exam Prep



L68: Physics Numericals:  
Group Learning



L69: Cell: Revision



L70: Cell: Exam Prep



L71: Plant Tissue: Revision



L72: Animal Tissue: Revision



L73: Tissues: Exam Prep



L74: Structure of the Atom:  
Exam Prep



L75: Natural Resources:  
Exam Prep

 Chapter 10

## Atoms and Molecules

## What you will learn



L76: Introduction to Atoms and Molecules



L77: Chemical Combination Laws



L78: Molecular Formula



L79: Mole Concept



L80: Laws in Chemistry: Group Learning



L81: Atoms and Molecules: Numericals



L82: The Worth of a Mole: Project-Based Lesson



L83: Atoms and Molecules: Milestone Test

## What you will build

In this lesson, students will understand the concept of mole, performing calculations involving the mole to write balanced equations.



## What you will earn

**Lido Atom Expert Certificate**

Earned for understanding all the concepts based on laws and mole concept.



## Chapter 11

## Work and Energy

## What you will learn



L84: Work and Energy



L85: Forms of Energy and Conversion



L86: Energizers: Group Learning



L87: Work and Energy: Numericals I



L88: Work and Energy: Numericals II



L89: How does the Energy 'work'? : Project-Based Lesson



L90: Work and Energy: Milestone Test

## What you will build

People say that one form of energy is converted into the other form. But does this conversion take place instantly or slowly? And does entire energy gets converted all at once? Or does it happen bit by bit? And what is the role of work in this? Let us understand the process.



## What you will earn

## Lido's Energy Expert Certificate

Earned for understanding the concept of work and energy and applying the same for conversion of energy,



## Chapter 12

## Why do we fall ill?

### What you will learn



L91: Bacterial and Protozoan Diseases



L92: Viral and Worm Diseases



L93: Diseases Expert: Group Learning



L94: Immunization and Vaccination



L95: Being Warrior - Boon or Bane?: Project-Based Lesson



L96: Why do we fall ill: Milestone Test

### What you will build

Do microorganisms only cause diseases and are harmful to us?  
Or they can be of some benefit to us? Explore different situations and conclude.



### What you will earn

#### Lido's Disease Expert Certificate

Earned for studying the different diseases cause by pathogens and the importance of immunization.



## Chapter 13

## Being Healthy

### What you will learn



L97: BMI Calculator:  
Science + Coding Lesson



L98: BMI Calculator - Part 2:  
Science + Coding Lesson

 Chapter 14

## Gravitation

## What you will learn



L99: Introduction to Gravitation



L100: Free Fall and Numericals

L101: Exploring Gravity:  
Group Learning

L102: Gravitation: Numericals

L103: Gravity Numericals:  
Group LearningL104: Mass & Weight, Pressure  
& ThrustL105: Buoyant Force, Archimedes  
Principle, Relative Density

L106: Gravitation: Milestone Test

## What you will earn

**Lido's Junior Physicist Certificate**

Earned for exploring the concepts of gravity and free fall.



 Chapter 15

## Improvement in Food Resources

## What you will learn



L107: Improvement in Crop Yields



L108: Crop Protection Management



L109: Cattle and Poultry Farming



L110: Sericulture, Apiculture &amp; Pisciculture



L111: Animal Husbandry: Group Learning



L112: Improvement in Food Resources: Milestone Test

What you will earn

**Lido's Agriculture Expert Certificate**

Earned for gathering a basic understanding of the different fields of agriculture.


 Chapter 16

## Sound

## What you will learn



L113: Understanding Sound



L114: Sound Waves



L115: Reflection and Echo



L116: The Science of Sound: Group Learning



L117: Sound: Numericals



L118: Sound: Milestone Test

What you will earn

**Junior Sound Engineer Certificate**

Earned for learning all about sound, its propagation, the structure &amp; the working of the human ear.



 Chapter 17

## Chemistry Revision &amp; Exam Prep: Term II

## What you will learn



L119: Full Syllabus Chemistry:  
Revision



L120: Is Matter around us Pure:  
Exam Prep



L121: Atoms and Molecules:  
Exam Prep



L122: NCERT: Chemistry Test



L123: Extra Mile Chemistry Part I:  
Group Learning



L124: Extra Mile Chemistry Part II:  
Group Learning

 Chapter 18

## Biology Revision &amp; Exam Prep: Term II

## What you will learn



L125: Full Syllabus Biology:  
Revision



L126: Cell: Exam Prep



L127: Tissues: Exam Prep



L128: Why do we fall ill?:  
Exam Prep



L129: NCERT: Biology Test



L130: Extra Mile Biology:  
Group Learning



## Chapter 19

## Physics Revision &amp; Exam Prep: Term II

## What you will learn



L131: Full Syllabus Physics:  
Revision I



L132: Motion and Graphs:  
Exam Prep



L133: Laws of Motion:  
Exam Prep



L134: Full Syllabus Physics:  
Revision II



L135: Work and Energy:  
Exam Prep



L136: Gravitation: Exam Prep



L137: Sound: Exam Prep



L138: NCERT: Physics Test



L139: Extra Mile Physics Part I:  
Group Learning



L140: Extra Mile Physics Part II:  
Group Learning



## Chapter 20

## Foundation Concepts

## What you will learn



L141: Foundation Concepts:  
Light



L142: Foundation Concepts:  
Electricity



L143: Foundation Concepts:  
Magnetism



L144: Foundation Concepts:  
Acid & Bases



L145: Foundation Concepts:  
Periodic Table



L146: Foundation Concepts:  
Human Body Systems



L147: Foundation Concepts: All  
about Atoms



## Personalised attention

Free & unlimited mentorship with Academic Mentors. 1-on-1 free doubt solving sessions with Teachers.



## Play and learn!

Games, quizzes, roleplays, and a lot more to make learning a fun experience for your child



## Milestone projects

With us, your child will write stories, write poetry, and even build apps!



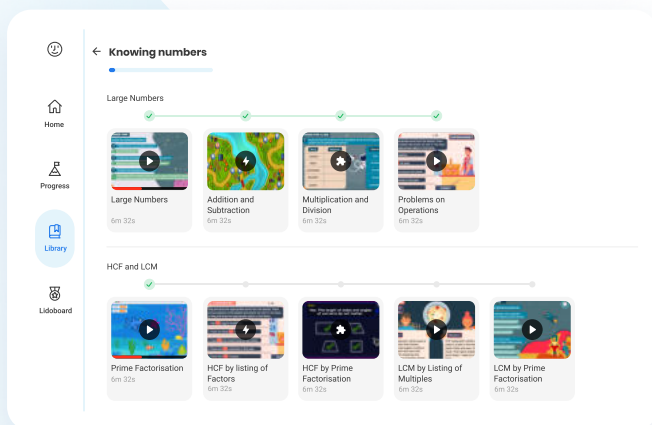
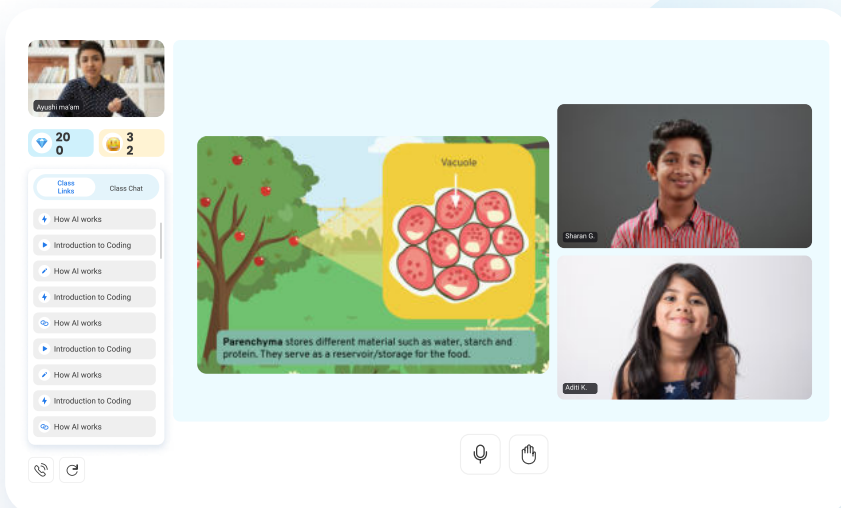
## Apply learnings to real life

Your child will apply coding, speaking, and counting in real-life situations



## Designed by Harvard, Stanford, and IIT alums

Your child will learn in a program designed by the leaders in education especially for kids



## Learning continues after class



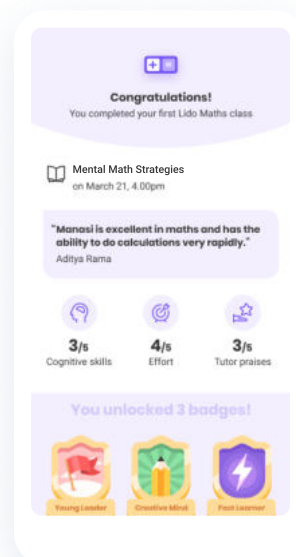
## Customised library

AI-driven learning for your child to practice concepts



## Project website

Your child can display their milestone projects and share them with family and friends



## Super parent app



## Student performance

Track your child's progress, attendance, and course completion



## Academic advisor

Support and guidance 6 days a week

## Built by a team from

