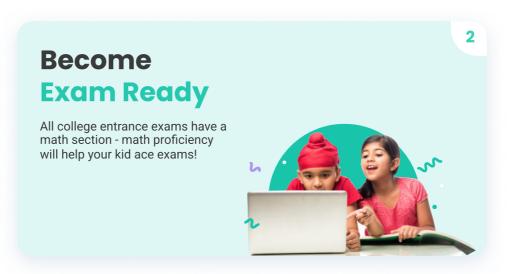


# **Science at Lido Learning:**

Your child can become an extraordinary problem solver!

# The Benefits of Learning Science Now:





# Be Future Ready

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



# LIDO

# 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!

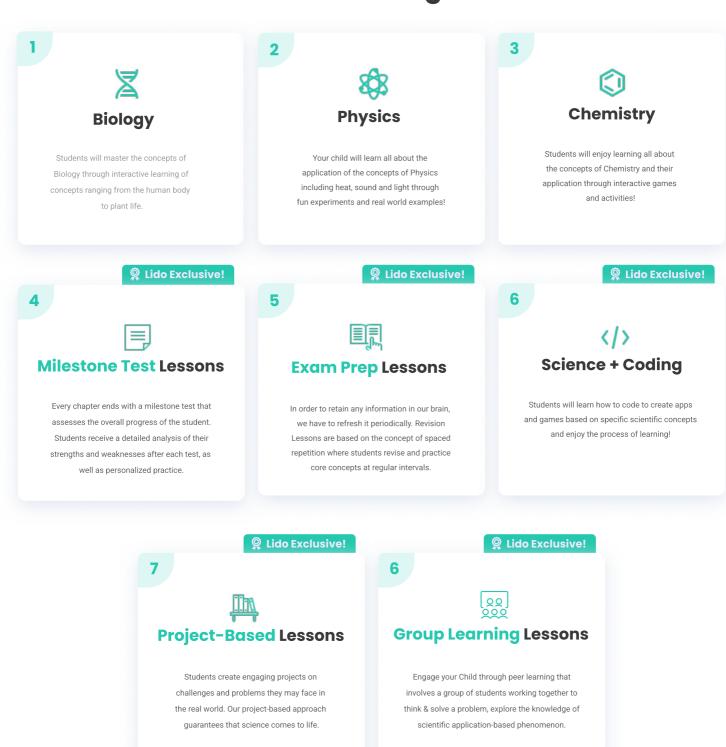


# **Parent Tracking**

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!



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### **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.

Lido Exclusive!





# E Chapter 1

# **Motion in One Dimension**

### What you will learn



L1: Motion: Introduction



L2: Motion in One Direction



L3: Motion Direction



L4: Kinematical Equations and **Motion Graphs** 



L5: Motion: Numericals



L6: Name that Motion!



L7: Motion: Chapter Test

### What you will build

### Name that Motion!

Learners will 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

### **Lido's Motion Expert Certificate**

Earned for understanding of velocity and acceleration concepts to find the appropriate description that matches the motion.







Chapter 2

# The Cell

### What you will learn



L8: The Fundamental Unit of Life - Cell



L9: Composition of a Cell



L10: Cell Organelles (ER, Ribosomes, Lysosomes & Golgi Body)



L12: The Superpower of Cell Shape



L13: Cell: Chapter Test

L11: Cell Organelles (Mitochondria, Plastids, Vacuole & Centrosome)

### What you will build

The shape determines the function.

Explore how different cell shapes help to perform different body functions efficiently.



### What you will earn

### Lido's Young Cytologist Certificate

Earned for understanding the details of cell structure and the functions of different cell organelles.



# E Chapter 3

# **Language of Chemistry**

### What you will learn



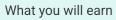
L14: Symbol and Valency



L15: Chemical Formulae and **Percentage Composition** 



L16: Language of Chemistry: **Chapter Test** 



### Lido's Young Chem Expert Certificate

Earned for understanding the basic language of chemistry.







# El Chapter 4

# Measurements and Experimentation

### What you will learn



L17: All about Units



L18: Measuring Instruments



L19: Measurements and **Experimentation: Chapter Test** 



### What you will earn

### Lido's Measurement Master Certificate

Earned for understanding all the aspects of measuring quantities and doing experiments.



# Chapter 5

# **Flowering Plants**

### What you will learn



L20: Flower



L21: Pollination & Fertlisation



L22: Flowering Plants: Chapter Test

What you will earn

### Lido's Young Floral Expert Certificate

Earned for studying the different parts of a flower, the process of pollination, and fertilisation.







E Chapter 6

# **Chemical Changes and Reactions**

### What you will learn



L23: Basics of Balancing Equation



L24: Balancing Chemical Equation



L25: Types of Chemical Reactions



L26: Chemical Reactions: Chapter Test

What you will earn

**Lido's Young Reactant Certificate** 

Earned for understanding all the chemical reactions and equations.







Chapter 7

### **Laws of Motion**

### What you will learn



L27: Newton's First Law of Motion



L28: Newton's Second Law of Motion



L29: Newton's Third Law of Motion



L30: Forces and Laws of Motion: Numericals I



L31: Forces and Laws of Motion: Numericals II



L32: Newton's Laws at Work



L33: Force and Laws of Motion: **Chapter Test** 

### What you will build

Ever wondered why the coin slips inside the glass when the cardboard is flicked? Let's explore Newtonian Physics under different aspects of situations and explore Newton's laws.



### What you will earn

### Lido's Mini Newton Certificate

Earned for investigating a variety of factors that affect the acceleration of objects across a surface, the amount of applied force, the mass and the friction.







## Chapter 8

### **Tissues**

### What you will learn



L34: Plant Tissues: Meristematic Tissues



L35: Plant Tissues: Permanent Tissues



L36: Animal Tissues: Connective



L37: Animal Tissues: Muscular Tissue and Nervous Tissue



L38: Animal Tissue: Epithelial Tissues



L39: House of Tissues: PBL



L40: Tissues: Chapter Test

### What you will build

Ever wondered how a house made of different tissues would look like? Explore the different types of plant and animals tissues and how their features can be used to build a house.



### What you will earn

### Lido's Young Tissue Expert Certificate

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





# Chapter 9

# **Atomic Structure**

### What you will learn



L41: Subatomic Elements & their Discoveries



L42: Different Models for Structure of Atom



L43: Distribution of Electrons into Shells, Valency





E Chapter 10

# **Chemical Bonding**

### What you will learn



L44: Ionic Bonding



L45: Covalent Bonding



L46: Atomic Structure & **Chemical Bonding: Chapter Test** 



What you will earn

Lido's Young Atom Expert Certificate

Earned for learning all about atoms and their subatomic particles discovery.

# Chapter 11

# **Fluids**

### What you will learn



L47: Pressure & Thrust



L48: Buoyant Force, Archimedes Principle, Relative Density



L49: All About Fluids: **Group Learning** 



L50: Fluids: Chapter Test

What you will earn

Lido's Young Archimedes! Certificate

Earned for exploring the concepts of upthrust and relative density of fluids.







El Chapter 12

# **Respiratory System**

### What you will learn



L51: Human Respiratory Tract



L52: Respiration in Humans



L53: Respiratory System: **Chapter Test** 



### What you will earn

### Lido's Junior Pulmonologist Certificate

Earned for studying the parts, functions of the respiratory system and the process of cellular respiration.

El Chapter 13

# **Digestive System**

### What you will learn



L54: Human Digestive Tract



L55: Process of Digestion



L56: Digestive System: **Chapter Test** 

### What you will earn

### Lido's Junior Digestive Health Specialist Certificate

Earned for understanding the parts and the role of each part in the process of digestion.







E Chapter 14

Skin

### What you will learn



L57: Skin: Structure and Functions

What you will earn

### Lido's Junior Skin Specialist Certificate

Earned for exploring and understanding heat as a form of energy and its transmission.



E Chapter 15

Water

### What you will learn



L58: Water & its Physical Properties



L59: Water of crystallization



L60: Water & its Chemical **Properties** 



L61: Importance of Water :Group Learning



L62: Water - Hardness



L63: Water: Chapter Test

What you will earn

### Lido's Water Expert Certificate

Earned for learning all the properties of water.







E Chapter 16

### **Movement & Locomotion**

### What you will learn



L64: Skeletal System: All About Joints



L65: Skeletal System: Bones



L66: Movement & Locomotion: **Chapter Test** 



What you will earn

### Lido's Young Joint Specialist Certificate

Earned for learning the importance and types of skeletal system and how different parts of the system help in movement.

E Chapter 17

# **Term I Revision and Exam Prep**

### What you will learn



L67: Measurements and Experimentation & Motion in one direction: Revision



L70:Flower: Revision



L73: Skin & Skeletal System: Revision



L76: Language of Chemistry & **Chemical Changes and** Reactions: Revision



L68: Laws of Motion & Fluids: Revision



L71: Cell & Tissue: Revision



L74: Biology Exam Prep - Part 1



L77: Atomic Structure & Chemical Bonding and Water: Revision



L69: Physics Exam prep



L72: Respiratory & Digestive System: Revision



L75: Biology Exam Prep -Part 2



L78: Chemistry Exam prep





E Chapter 18

# Light

### What you will learn



L79: Reflection of Light - Plane Mirrors



L80: Reflection in Concave Mirrors



L81: Reflection in Convex Mirrors



L82: Light: Chapter Test

What you will earn

### Lido's Mirror Magician Certificate

Earned for exploring the concepts of reflection of light through various types of mirrors



El Chapter 19

# **Seed Structure and Germination**

### What you will learn



L83: Seed & Its Structure



L84: Germination of Seed



L85: Seed: Chapter Test

What you will earn

### **Lido's Seed Specialist Certificate**

Earned for studying the structure and types of seed and understanding the process of seed germination.







E Chapter 20

# **Periodic Table**

### What you will learn



L86: Classification of Elements



L87: Modern periodic table



L88: Trends in Modern Periodic Table



L89: Specific Groups of Modern Periodic Table



L90: Periodic Table: Chapter Test



El Chapter 21

# Sound

### What you will learn



L91: Understanding Sound



L92: Sound Waves



L93: Sound: Reflection and Echo



L94: Sound: Numericals



L95: Sound: Group Learning



L96: Sound: Chapter Test

What you will earn

### Lido's Sound Engineer Certificate

Earned for understanding the concepts of sound and its characteristics.







El Chapter 22

# **Respiration in Plants**

### What you will learn



L97: Respiration in Plants



L98: Experiments on Respiration



L99: Respiration in Plants: **Chapter Test** 



What you will earn

**Lido's Plant Expert Certificate** 

Earned for learning one of the vital life processes in plants- respiration.

# El Chapter 23

# **Study of the First Element - Hydrogen**

### What you will learn



L100: Hydrogen: Properties and Preparations



L101: Hydrogen: Displacement and Redox reactions



L102: Manufacture of Hydrogen



L103: Study of the first element -Hydrogen: Chapter Test

What you will earn

Lido's Hydrogen Expert Certificate

Earned for learning all the properties and preparations of hydrogen.







El Chapter 24

# **Heat and Energy**

### What you will learn



L104: Thermal Expansion



L105: Sources of Energy



L106: Heat energy: **Chapter Test** 



### What you will earn

### Lido's Thermal Energy Expert Certificate

Earned for exploring and understanding heat as a form of energy and its transmission.



E Chapter 25

# **Nutrition**

### What you will learn



L107: Human Nutrition



L108: Nutrition: Chapter Test

### What you will earn

### Lido's Young Nutritionist Certificate

Earned for understanding the different aspects of human nutrition and deficiency diseases.







El Chapter 26

# **Five Kingdom Classification**

### What you will learn



L109: Introduction & Plant Classification



L112: Animal Classification -Vertebrates



L110: Animal Classification -Invertevrates (Porifera to Nematoda)



L113: World of Plants and Animals: Group Learning



L111: Animal Classification -Invertebrates (Annelida to Echinodermata)



L114: Diversity in Living Organisms: Chapter Test



### What you will earn

### Lido's Junior Taxonomist Certificate

Earned for learning about the classification of living organisms and their characteristics.





El Chapter 27

# **Electricity and Magnetism**

### What you will learn



L115: Charge, Current & Spark



L116: Magnetism



L117: Power of Electromagnetism



L118: Electricity and Magnetism: **Chapter Test** 

### What you will build

Ever wondered about how a maglev train work? It works on an amazing concept of electromagnetism. So let's explore the amazing powers of electromagnetism through this lesson.



What you will earn

### Lido's Junior Scientist Certificate

Earned for exploring the powers of electricity and magnetism.





El Chapter 28

# **Atmospheric Pollution**

### What you will learn



L119: Air Pollution: Causes & **Preventive Measures** 





# E Chapter 29 Economic Importance of Bacteria & Fungi

### What you will learn



L120: Economic Importance of Bacteria



L121: Economic Importance of Fungi



L122: Economic Importance of Bacteria, Fungi: Chapter Test



### What you will earn

### Lido's Young Microbiologist Certificate

Earned for studying the economical importance as well as diseases caused by bacteria and fungi.



# Chapter 30

# **Hygiene & Disease**

### What you will learn



L123: Bacterial and Protozoan Diseases



L124: Viral and Worm Diseases



L125: Immunisation and Vaccine



L126: Diseases Expert: Group Learning



L127: Hygiene and Diseases: **Chapter Test** 

### What you will earn

### **Lido's Health Expert Certificate**

Earned for learning the different types of diseases and the concept of immunization.







E Chapter 31

# **Waste Management**

### What you will learn



L128: Waste and its Management

What you will earn

### Lido's Waste Management Expert Certificate

Earned for studying the different types of waste and the step of waste management.





El Chapter 32

# Study of Gas Laws

### What you will learn



L129: Properties of Gases



L130: Study of Boyle's Law



L131: Study of Charles's Law and Gas Equation



L132: Study of Gas Laws: Chapter Test





El Chapter 33

# Term II: Revision and Exam Prep

### What you will learn



L133: Full Syllabus Chemistry Revision - Part 1



L136: Full Syllabus Physics Revision - Part 1



L139: Full Syllabus Biology Revision - Part 1



L134: Full Syllabus Chemistry Revision - Part 2



L137: Full Syllabus Physics Revision - Part 2



L140: Full Syllabus Biology Revision - Part 2



L135: Exam Prep Chemistry -**Group Learning** 



L138: Exam Prep Physics -**Group Learning** 



L141: Exam Prep Bio -**Group Learning** 



El Chapter 34

# **Project-Based Learning**

### What you will learn



L142: Climate Change



L143: Restore the Forest



L144: Bounce the light beam - Part 1



L145: Bounce the light beam - Part 2

L146: Up in the Air!



L147: You and the universe



# The perfect classroom for your child

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** 

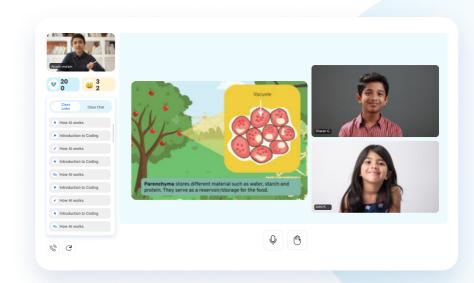
With us, your child will write stories, write poetry, and even build apps!

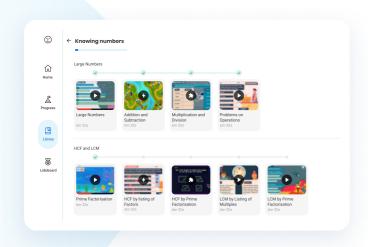
Apply learnings to real life

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

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



Al-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

Support and guidance o days a week

# Built by a team from















TEACHFORINDIA