

KIDS WORLD SCHOOL
ANNUAL CURRICULUM PLANNER 2024-25
SUBJECT – PHYSICS
CLASS – X

MONTH	NAME OF THE CHAPTER	METHODOLOGY	LEARNING OBJECTIVE		LEARNING OUTCOMES	MODE OF ASSESSMENT + ACTIVITY
			KNOWLEDGE/CONTENT BASED	APPLICATION BASED		
APRIL + JULY 01/04/2024 – 03/08/2024	10. Light	*Explanation *Demonstration *Problem Solving *Heuristic *Deductive *Analysis	*Reflection by Plane Mirrors *Terms Related to Mirrors *Reflections by Spherical Mirrors *Laws of Refraction *Refraction by Glass Slab *Refractive Index *Refraction By Lens *Power of Lens	*To determine the focal length of concave mirror by obtaining image of distant object. *To determine the focal length of convex lens by obtaining image of distant object. *To trace the path of ray passing through glass slab.	*Consolidate the knowledge and the skill acquired. *Develop mastery of basic skills. *Think, analyze and articulate logically. *Develop drawing skills *Develop arithmetical ability	Assessment of Learning *Worksheets *Assignments * Lab Activity * Case study
AUGUST 05/08/2024 - 31/08/2024	11. Human Eye And Colourful World	*Explanation *Demonstration *Problem Solving *Heuristic *Deductive *Analysis	*Function Of human Eye *Defects of Vision *Refraction Through Prism *Dispersion Of Light *Atmospheric Refraction *Scattering of Light	*To trace the path of ray passing through glass slab.	*Consolidate the knowledge and the skill acquired. *Develop mastery of basic skills. *Think, analyze and articulate logically. *To analyze the natural phenomenon occurs around in nature. *Develop scientific approach. *Develop habit of investigation	Assessment of Learning *Worksheets *Assignments * Lab Activity * Case study

<p align="center">SEP. 02/09/2024 - 30/11/2024</p>	<p align="center">12. Electricity</p>	<ul style="list-style-type: none"> *Explanation *Demonstration *Problem Solving *Heuristic *Inductive *Deductive 	<ul style="list-style-type: none"> *Current *Potential difference *Ohm's law *Resistance *Factors affecting *Resistivity * Series and parallel *Heating Effect *Electric Power *Relation between P, I, V and R 	<ul style="list-style-type: none"> *To verify ohm's law. *To calculate equivalent resistance when resistors are connected in (i) series and (ii) parallel. 	<ul style="list-style-type: none"> *Consolidate the knowledge and the skill acquired. *Develop mastery of basic skills. *Think, analyze and articulate logically. *Develop scientific approach. *Develop habit of investigation Develop arithmetical ability. 	<p align="center">Assessment of learning</p> <ul style="list-style-type: none"> *Worksheets *Assignments * Lab Activity * Case study
<p align="center">OCT. 2024</p>	<p>Revision Term I</p>					
<p align="center">DEC. 02/12/2024 - 14/12/2024</p>	<p align="center">13. Magnetic Effect of Electric Current</p>	<ul style="list-style-type: none"> *Explanation *Demonstration *Problem Solving *Heuristic 	<ul style="list-style-type: none"> *Magnetic Field *Field of lines *Field due to Straight Conductor *Field due to Circular Loop *Solenoid *Fleming Left Hand Rule *AC and DC Advantages of AC *Domestic Circuit 	<ul style="list-style-type: none"> *To determine the magnetic field produced by- (a) Straight conductor (b) Circular loop (c) Solenoid 	<ul style="list-style-type: none"> * Correlate basic concept * Develop understanding and principals behind mechanism *Consolidate the knowledge and the skill acquired. *Develop mastery of basic skills. *Think, analyze and articulate logically. *Develop drawing skills 	<p align="center">Assessment of Learning</p> <ul style="list-style-type: none"> *Worksheets *Assignments * Lab Activity
<p align="center">JAN. 2025</p>	<p>Revision Pre- boards</p>					