

KIDS WORLD SCHOOL, NAGPUR
SESSION – 2026-27
CLASS -VI
SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

Week	1	2	3	4
Month - 1	Intro & Group Division	Project - Adjustable Mood Lamp	Project - Rain Alert Automation	Project - Automatic Traffic Light
Month - 2	Presentation/Research Park Connect	Project - Digital Distance Measurement	Competition (Intergroup)	Project - Parking Alarm
Month - 3	Project - Controlling Door using Computer	Project - Controlling Fan using computer	Project - Make a Catapult	Presentation/Research Park Connect
Month - 4	Project - Elastic Band Propeller Boat	Project - Animated Birthday Card	Project - AI or Human?	Assessment
Month - 5	Viva	Project - Pattern Detective	Project - Smart Sorting Machine	Competition (Intergroup)
Month - 6	Project - Digital Safety Detective	Presentation/Research Park Connect	My First 3D Printed Keychain	Buffer Week
Month - 7	Intro to Rocket Design	Project - Portfolio Development	Project - Derivative Projects	Buffer Week
Month - 8	Presentation/Research Park Connect	Project - Derivative Projects	Project - Derivative Projects	Project - Derivative Projects
Month - 9	Competition	Assessment	Viva	Startup Ideation
Month - 10	Idea Presentation	Hackathon (National)	Certification Distribution	Vision & Future Activities - Discussions

No.	Topic	Learning Outcome
IoT and Automation (Kaushal Bodh - Work with Machines & Materials)		
1	Adjustable Mood Lamp	Understand how a potentiometer can be used to control brightness and adjust electronic outputs.
2	Rain Alert Automation	Learn how sensors can detect rain and trigger automated responses.
3	Automatic Traffic Light	Understand how automation controls traffic systems using programmed sequences.
4	Digital Distance Measurement	Learn how ultrasonic sensors measure distance
5	Parking Alarm	Build a system that alerts users when objects are too close, using distance sensing technology.
6	Automating Door	Understand how servo motors can be controlled precisely using programming.
7	Automating Fan	Learn how software can control the direction of motor
8	Make a Catapult	Explore force, motion, and simple machine concepts through hands-on model building.
9	Elastic Band Propeller Boat	Understand how stored energy can create motion
10	Animated Birthday Card	Create interactive animations using coding and understand event-based programming.
Artificial Intelligence (From AI & CT and Kaushal Bodh Curriculum)		
11	AI or Human?	Differentiate between human intelligence and artificial intelligence through real-world examples.
12	Pattern Detective	Identify patterns in data and understand how AI uses patterns to make decisions.
13	Smart Sorting Machine	Explore the concept of classification and how AI groups and sorts information.
14	Digital Safety Detective	Learn safe online practices, privacy awareness, and responsible technology use.
15	My First 3D Printed Keychain	Design a simple object and understand the process of converting digital designs into physical products.
Aerospace		
16	Intro to Rocket Design	Understand the basic parts of a rocket and how it works
17	Website Development	Build a portfolio to add all the learning and achievement