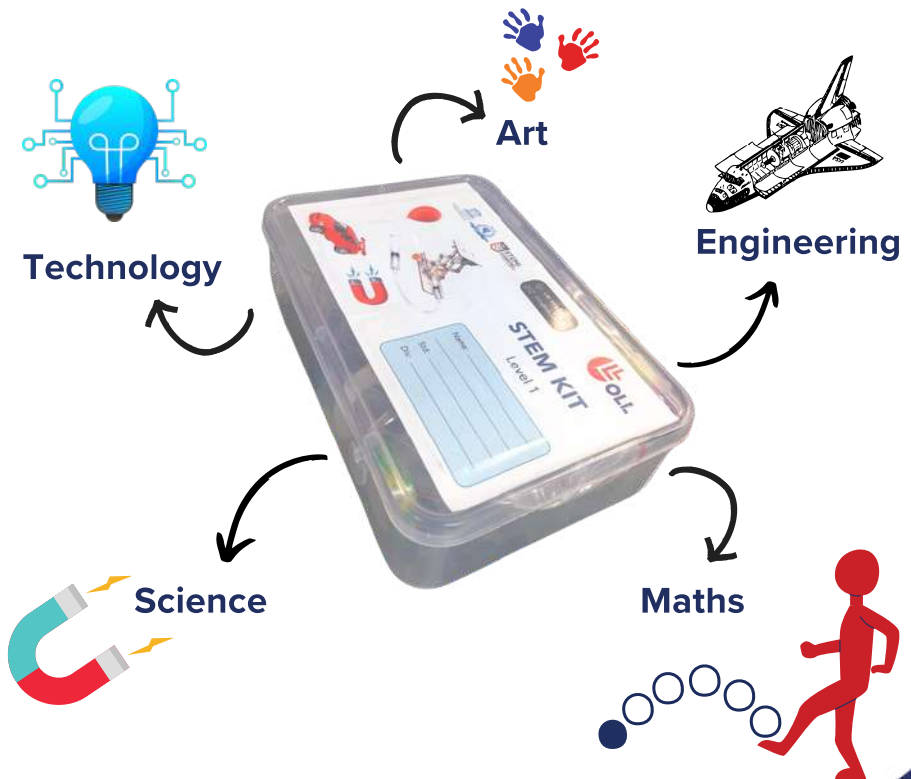




# S.T.E.A.M

For grades Jr.KG and Sr.KG



# What makes OLL Different?

## Project Based Learning

Each student makes 15+ projects and learns through fun and hands-on Projects



## Individual Kit

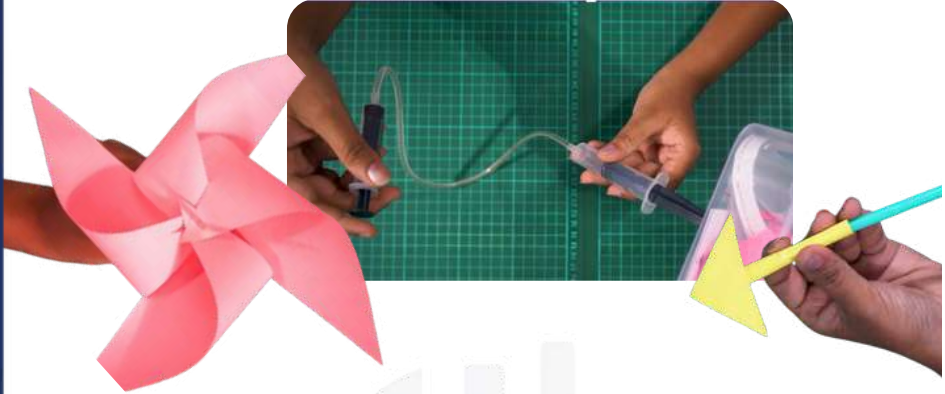
Each student gets a STEM kit where they get all components to build projects



## Teacher Certification

The teachers are trained and certified to execute this program to the students.





1

## Introduction

Welcome to STEM



5

## Magnetic Car

Repulsion of Magnets

2

## Hydraulic Lift

3rd law of Newton

6

## Paper Plane

Air Pressure

3

## Pin Wheel

Force & Rotation

7

## Rocket Launcher

Air Pressure

4

## Magnet Maze

Attraction of Magnets

8

## Balloon Rope Car

Air Pressure

9

**Straw Rocket**  
Force & Movement

15

**Assessment**  
Test Yourself

10

**Checkpoint**  
Assessment



16

**Certification**  
Get Certified



11

**Kaleidoscope**  
understanding Optics

12

**Bird in a Cage**  
Perception of Vision

13

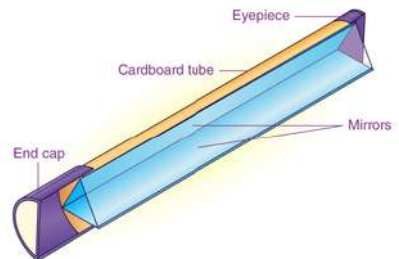
**Paper Pillar**  
Engineering & Design

14

**Techfest**



## 1000+ More Projects





1

## Introduction

Welcome to STEM



5

## Coin on Card

Understanding water power

2

## Hydraulic Crane

Understanding Hydraulics

6

## Making a Simple machine: Lever

3

## Hydraulic Claw

Understanding Hydraulics

7

## Cup Telephone

Sound Travel Medium

4

## Hydraulic Lift

Understanding Hydraulics

8

## Roman Catapult

Understanding Kinetics

9

**Rubberband Car**  
Understanding Kinetics

15

**Assessment**  
Test Yourself

10

**Checkpoint**  
Assessment



16

**Certification**  
Get Certified



11

**Rubberband  
powered car**

12

**Light a Bulb**  
Understanding Electricity

13

**Electric Switch**  
Understanding Electronics

14

**Techfest**



**1000+ More Projects**



# Certification



## STEM.org

STEM.org is the longest continually-operating, privately-held STEM education research and credentialing organization in America, supporting the world's top brands, organizations and thousands of educators globally.



## UNESCO

UNESCO is the United Nations Educational, Scientific and Cultural Organization. It seeks to build peace through international cooperation in education, sciences and culture.