MAKER SCIENTIST
POWERED BY SCIENCEUTSAV

SCIENCEUTSAV®
Science is awesome

I AM A MAKER

LET'S SOLVE THE REAL WORLD PROBLEM

www.scienceutsav.com

MAKER SCIENTIST
POWERED BY SCIENCEUTSAV

Curriculum based STEM kits for 1st to 10th Standard

www.scienceutsav.com

Grade appropriate KITS

MAKER PROGRAM IS ALL ABOUT

Developing my motor skills.

Turning concepts into projects with help of design thinking

Becoming more logical and creative

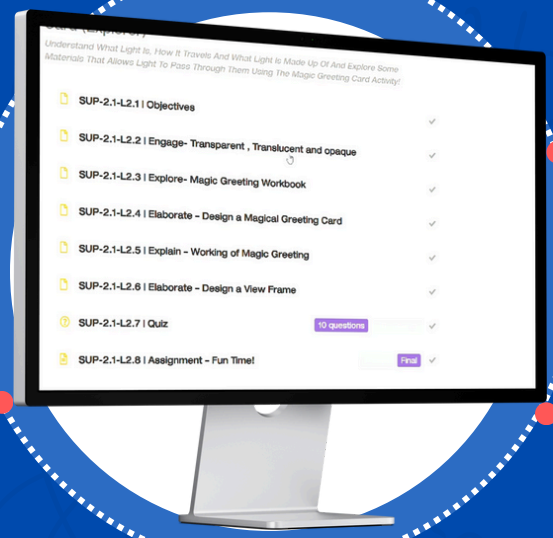
Solving workbooks to develop higher order Thinking

MAKER LAB

www.scienceutsav.com

It's not just a kit... It's a maker lab!

a complete learning ecosystem



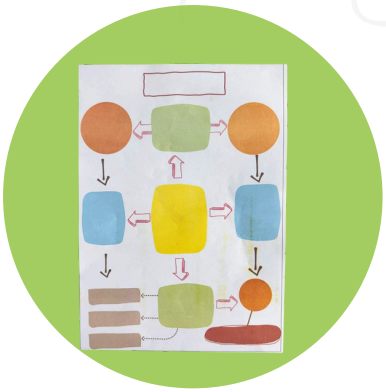
- Simulations
- 5 E Methodology
- Comic Strips
- Quiz & Assignment
- Role Plays
- Anecdotes
- KWL Chart
- Think a Ton
- Future-tech Videos
- Research based experiments

Learning Management System

Workbooks

STEM Kit

5 E Pedagogy



Concept Map

Explorer Project

Discoverer Project

Engage > Explore > Explain > Elaborate > Evaluate

GRADE 01

EXPLORER | **DISCOVERER**

WIZARDRY CIRCUITS

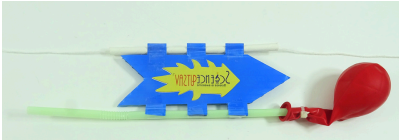
Cast a spell with science! Kids explore the magic of electricity using glowing LEDs and batteries. They create simple paper circuits and learn how connections bring ideas to life in a fun, hands-on way!

WIZARDRY PEN STAND

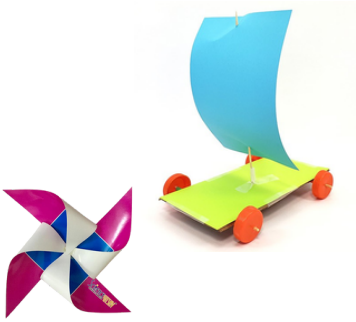
GLOWING GREETING CARD

AIR POWERED CRAFTS

Blast off into STEM fun! Explore motion, forces, and aerodynamics with balloon-powered rockets, hovercrafts, and air-driven toys. Hands-on experiments make physics exciting, teaching propulsion, air pressure, and engineering in an engaging way!



BALLOON POWERED CRAFTS



WIND TOYS

PUSH PULL DYNAMICS

Master catapult set Launch into STEM learning with our slingshot and catapult kits! Discover material properties, elasticity, and projectile motion using balloons and rubber bands in hands-on experiments that make physics and engineering exciting and interactive.

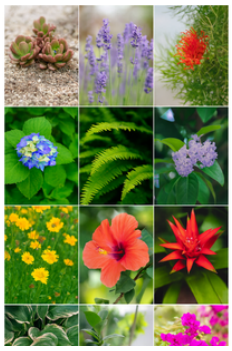
SLING SHOT | STRING HOCKEY

MINI CATAPULT

PET A PLANT

Pet a plant Discover plant life through hands-on learning! Grow a plant at home, explore seed germination, and play an interactive card game to understand plant parts and pollination. Fun, educational, and perfect for STEM enthusiasts!

PET A PLANT



PARTS OF THE PLANT CARD GAME

GRADE 01

EXPLORER | **DISCOVERER**

NUTRI SCIENCE

Dig into the science of food and health! Explore nutrients, energy, and balanced diets through interactive experiments and activities. Kids learn what makes a complete food plate making biology tasty, fun, and full of healthy discoveries!

PLAY WITH HEALTHY FOOD

SAFE FUN EXPERIMENTS

SOUND SPECIALIST

Tune into the science of sound! Kids discover how vibrations create sound, how our ears hear it, and how vocal cords produce it. They build fun instruments like harmonicas, bugles, string instruments, and Damaru — making every activity a musical STEM adventure!

NOISY TOYS

DESIGN A BUGLE

SAILING SCIENCE

Sailing Science! Kids harness the power of wind to move boats across water and experiment with different sail designs. They explore how wind energy works and use water as a medium for exciting STEM challenges—turning science into an adventurous journey!

BUILD A RUBBRBAND POWERED SAIL BOAT

BALOON POWER BOAT

ANIMAL FOOD HABITS

Step into the wild world of science! Explore herbivores, carnivores, and omnivores through fun, hands-on activities. Kids learn how animals find and eat food, discover food chains, and understand nature's balance—all while making biology exciting and interactive!

ANIMAL CARD GAME

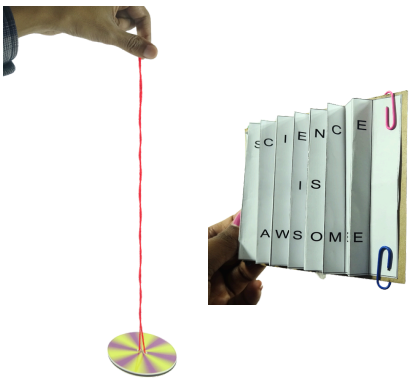
GRADE 02

EXPLORER | **DISCOVERER**

COLORFUL VISION

Explore the Magic of Light! Children learn how eyes perceive colors and the science behind vision. They design fun projects like a color spinner, magic slider, and Agamograph to understand light properties and visual perception.

COLOR CRAFTS: MAGIC SLIDER | SECRET TOP

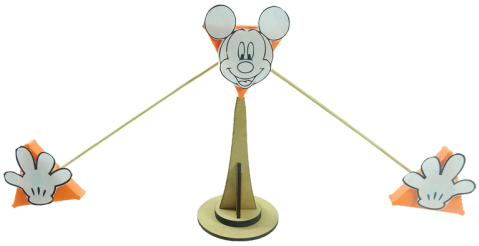


COLORFUL SPINNER | AGAMOGRAPH

BALANCING SCIENCE

Fun with Balancing! Kids explore how things stay steady by building simple balancing toys and playful structures. They learn about stability through hands-on activities that make physics fun and easy!

DANCING DOLPHINS



BALANCING TOYS

FESTIVE SCIENCE

Light Up the Festival with Science! Kids create glowing LED candles, bright diyas, and colorful Fanoos lamps. They learn simple circuits while adding sparkle to celebrations with hands-on fun!

DESIGN LED DIYA | ELECTRONIC CANDLE

FANOOS GLOW LAMP

OCEAN OF AIR

Fun with Air! Kids discover that air is everywhere and takes up space. They make parachutes and learn how air slows things down, even when gravity is pulling them fast—turning science into a playful adventure!

PARACHUTE WITH LAUNCHER | FLYING SAUCER | FUN WITH FLYING

POP GUN PARACHUTE

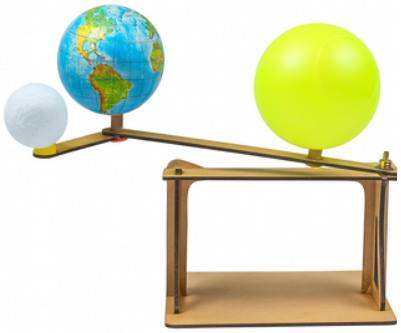
GRADE 02

EXPLORER

DISCOVERER

PLAY WITH TOPS

Journey Through Space! Kids learn about the solar system, how planets move around the Sun, and the special relationship between Earth, the Moon, and the Sun. A fun way to explore space science with simple, hands-on activities!



ROTATION AND REVOLUTION OF EARTH

SOLAR SYSTEM

BE A FARMER

Sow, Grow, and Glow! Kids plant seeds like wheat and vegetables to see how they grow. They learn what plants need—soil, water, and sunlight—while having fun growing their own little garden!

MAKE YOUR VEGETABLE GARDEN

GRASSY PUPPET

TRAFFIC INSPECTOR

Stop, Go, and Learn! Kids make simple traffic light circuits and build a fun magnet-powered car. They learn about road safety and how signals work—turning everyday traffic into a playful science activity!

DESIGN A TRAFFIC SIGNAL

DESIGA MAGNETIC CAR

HABITAT HARMONY

Step into Earth's ecosystems! Kids explore forests, deserts, oceans, and grasslands, discovering how plants and animals adapt, survive, and connect—learning the importance of balance, biodiversity, and conservation.

HUMAN EFFECT ON ENVIRONMENT BOARD GAME

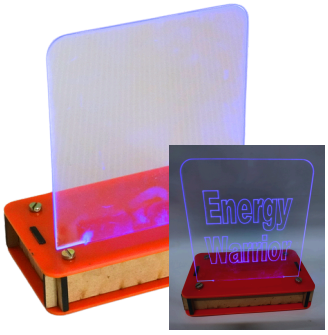
GRADE 03

EXPLORER

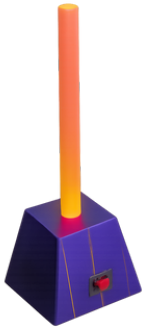
DISCOVERER

ENERGY & ENVIRONMENT

Power up sustainably! Kids explore renewable and non-renewable energy, conservation, and eco-friendly practices—learning how science and innovation protect our planet while meeting the world's growing energy needs



ENERGY WARRIOR



MAGIC LAMP

POTENTIAL AND KINETIC ENERGY

Store it, release it, see it move! Kids explore potential and kinetic energy through hands-on experiments—discovering how energy shifts between rest and motion in everyday life.

BOOMERANG CAR

RUBBER BAND POWERED CAR

BE AN ORNITHOLOGIST

Take flight into bird science! Kids explore feathers, beaks, and nests while learning migration, habitats, and adaptations—discovering the fascinating world of birds through fun, hands-on activities.

BALANCING BIRDS | FLIGHT OF A BIRD |SOUNDS OF BIRDS

BIRDS CARD GAME

ROCKET SCIENCE

Blast off into discovery! Kids explore thrust, fuel, and aerodynamics through fun experiments—learning how rockets overcome gravity and reach space, turning physics into an exciting hands-on adventure.

ROCKET LAUNCHER |
BLOW ROCKETS | BLOW WORM

GRADE 03

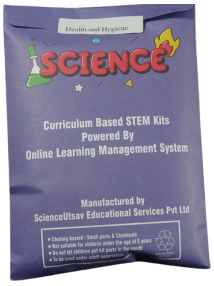
EXPLORER

DISCOVERER

HEALTH AND HYGIENE

Stay Clean, Stay Strong! Kids learn about hygiene and healthy habits while making fun items like bathroom fresheners, pedicure bombs, and their own perfume. A playful way to understand cleanliness and self-care!

BATHROOM FRESHENER | MAKE OUR OWN PERFUME



PEDICURE BOMB

THE LIGHT ARCHITECT

Design with Light! Kids explore how bulbs and LEDs light up our homes and celebrations. They learn the basics of light and electricity while creating fun decoration projects with simple circuits!

LED FAIRY LIGHTS | DIWALI LANTERN

FLICKERING FRAME

FUN WITH FALLING

Drop into discovery! Kids explore how gravity pulls objects down, experiment with speed and height, and learn how air resistance changes motion—making physics fun, visual, and hands-on.

GRAVITY CAR

ANTI GRAVITY OBJECT

LIFE PROCESS

Discover How Our Body Works! Kids explore how we breathe, get energy from food, move blood, and remove waste through fun games that make body systems easy to understand!

STETHOSCOPE | LIFE PROCESS BOARD GAME

GRADE 04

EXPLORER | **DISCOVERER**

SOURCES OF LIGHT

Students create a simple circuit to build their own light source using a torch. They explore different natural and artificial sources of light.The activity also helps them understand how shadows are formed and change with light.

BEST SELLER

DESIGN TORCH LIGHT

MAGIC SABER GREETING

MAGNETIC LEVITATION

The Magnetic Repulsion Experiment explores magnetism, forces, and equilibrium, demonstrating levitation and stability using opposing poles through interactive STEM-based learning

HOVERING MAGNETS: EVITATING PENCIL + MAGNETIC PENCIL STAND

MAGNETIC SPIDER

FORCE AND MOTION

The Rubber Band Launcher demonstrates force, motion, and energy by using a stretched rubber band to propel projectiles interactively.

RUBBER BAND PISTOL

SLIDER GUN

SLIMY WORLD

The Slime Creation & Puppet Experiment explore polymer science, chemical reactions, texture, and gas formation, making science engaging and interactive.

Its about material science and matter around us

SLIME | SUPER BALLOON

SELF-INFLATING PUPPET

GRADE 04

EXPLORER | **DISCOVERER**

BE AN AUDIOLOGIST

Tune into the World of Sound!

Kids learn how ears and vocal cords help us hear and make sounds.

They explore noise vs music, create fun instruments like whistles and horns, and see how sound is used in different real-life situations.

AIRHORN WHISTLE | DESIGN A TIK TOK

CUCKOO WHISTLE | OBOE | CANDY WHISTLE

DETECTIVE SCIENCE

Uncover mysteries with science! Kids explore fingerprints, invisible ink, and secret codes through fun experiments, learning observation, logic, and problem-solving while turning into real young investigators.

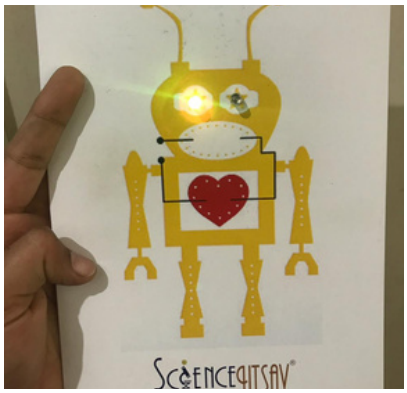
FINGERPRINT KIT

PERISCOPE

SAFETY CIRCUITS

Stay safe with science! Kids build simple circuits with buzzers, lights, and switches, learning how electricity works and how circuits protect homes, devices, and people from danger.

SECRET CANDY BOX



SNAP LIGHT

THINGS AROUND US

Explore everyday science! Kids investigate common objects, learning about materials, shapes, and uses. Fun activities turn daily items into experiments, sparking curiosity about the hidden science in life.

DESIGN A STRESS BALL | OOBLECK | | BOUNCY BALL

PLAY GHOST EGGS | CLAP IN THE AIR

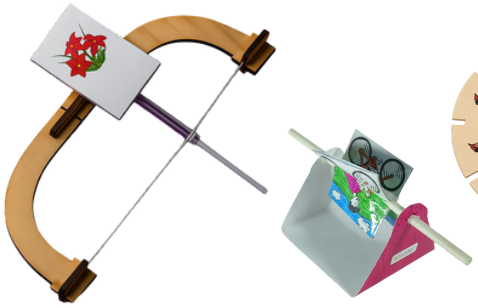
GRADE 05

EXPLORER

DISCOVERER

PERSISTENCE OF VISION

Discover the magic of motion pictures! Kids explore how our eyes blend fast images to create moving scenes, using spinning discs and light tricks to learn fascinating visual science.



BOW THAUMATROPE | DISC THAUMATROPE | 3D TROPE

PHENAKISTOSCOPE | HANDYTROPES FOLDOTROPE

LIGHT AND PROPERTIES

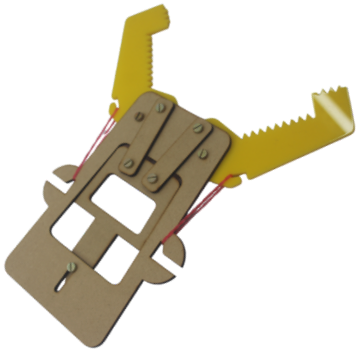
Kids experiment with mirrors and colors to explore reflection. They build kaleidoscopes and wheeloscopes to see multiple reflections. Through these fun activities, they learn how light travels and reveals its amazing properties.

WHEELOSCOPE AND KALEIDOSCOPE

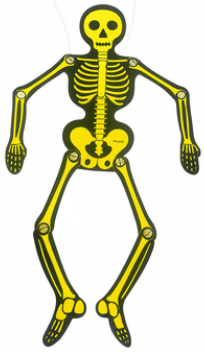
FUN WITH MIRRORS: TRUE MIRROR MAGIC MIRROR | MIRROR ART

SKELETAL AND MUSCULAR SYSTEM

Step inside the human body! Kids explore bones, joints, and muscles through interactive activities, discovering how structure and movement work together to keep us strong, flexible, and active.



HELPING HANDS

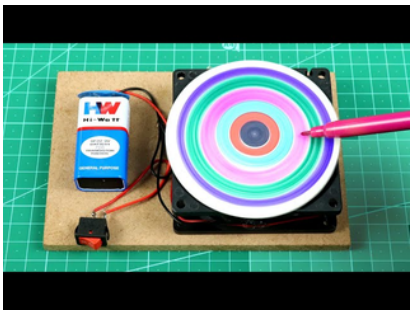


GHOST UNCLE | FLIP BOOK

FAN-TACTIC SCIENCE

Whirl into physics fun! Kids build and test fan-based projects to explore air pressure, motion, and energy—learning how moving air powers cool inventions in everyday life.

EXHAUST FAN



COLOR SPLASH

GRADE 05

EXPLORER | **DISCOVERER**

SCIENCE: MAGIC OR LOGIC

Kids build an Ames room and ghost illusion to explore how our eyes and brain can be tricked. Through these fun activities, they learn about frames of reference, visual perception, and the logic behind scientific thinking.

DESIGN GHOST SCOPE

AMES ROOM

WORK AND ENERGY

Power up with physics! Kids explore force, motion, and energy through hands-on activities, discovering how work is done and how energy transforms in the world around us.

SIEGE CATAPULT

FUN WITH RUBBER BAND POWERED BOW

ANIMAL KINGDOM

Kids explore mammals, birds, reptiles, amphibians, and insects through fun activities.

They learn about classification, adaptations, and habitats of Earth's creatures.

They also discover how animals reproduce and grow in nature.

ELECTRICAL QUIZ BOARD

LIFE CYCLE CARD GAME

BUBLOLOGY

Float into science fun! Kids explore bubbles to learn about surface tension, shapes, and air pressure. Hands-on experiments turn simple soap films into exciting lessons in physics and chemistry.

SNAKE BUBBLE
BUBBLE ART

BUILD YOUR OWN WAND

GRADE 06

EXPLORER | **DISCOVERER**

MAGNETIC FORCE

Kids play with magnets to explore attraction, repulsion, and magnetic fields. They discover how magnets interact with materials and power devices like motors and compasses. Through fun activities, they learn the science behind the invisible forces of magnetism.

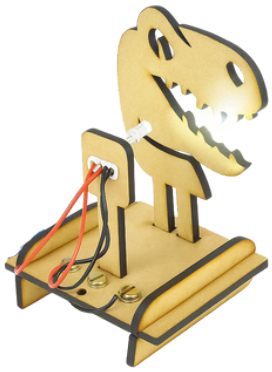
GAUSS GUN

MAGNETIC HOCKEY

MAGICAL SHADOWS

Play with light and dark! Kids explore how shadows form, change shape, and move through fun activities—discovering the science of light, opacity, and angles in a magical way.

HALLOWEEN SHADOW



COLORFUL SHADOWS

FUN WITH CIRCUITS

Light up learning! Kids build simple circuits with wires, switches, and bulbs, exploring electricity, conductivity, and connections—turning abstract concepts into hands-on experiments full of sparks and discovery.

TABLE LAMP

TOGGLE SWITCH

FOOD INSPECTOR

Test what's on your plate! Kids explore food safety and quality with fun experiments, learning to detect nutrients, freshness, and adulteration while discovering the science behind healthy eating.

FOOD TEST KIT | ADULTERATION TEST

BALANCED FOOD CARD GAME

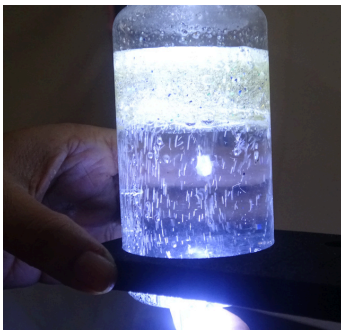
GRADE 06

EXPLORER

DISCOVERER

MAGICAL MIXTURE

Stir up science fun! Kids mix liquids, solids, and colors to explore solutions, suspensions, and reactions—learning how everyday mixtures create magical changes through hands-on chemistry experiments.



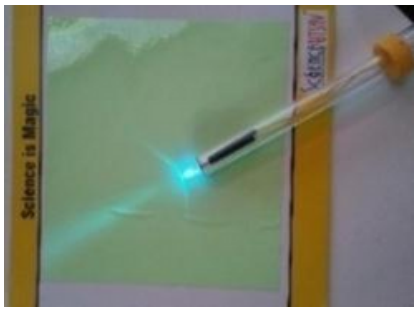
FUN WITH MIXTURES: LAVA LAMP | SOLUBILITY | FUN WITH LUSTER

FUN WITH DENSITY

BE AN ORTHOPEDIST

Step into a doctor's shoes! Kids explore bones, joints, and fractures through interactive models and activities, learning how the skeletal system works and how orthopedics keeps us moving.

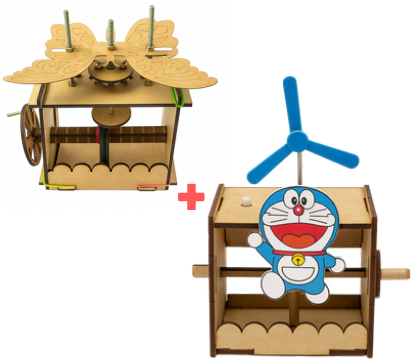
HAND STEADINESS CIRCUIT (BUZZ WIRE)



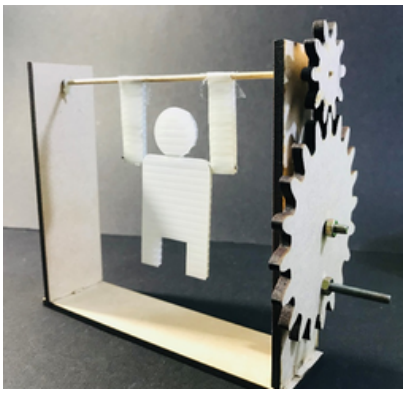
FAKE XRAY

MAGICAL MOTIONS

Kids explore different types of motion—linear, rotational, and oscillatory—and see how one can be converted into another. By designing an automata, they convert rotary motion into linear motion and back again, discovering the science of moving machines in action.



AWESOME AUTOMATA



DESIGN GEAR ACROBAT

BE A FASHION DESIGNE

Weave creativity with science! Kids explore fabrics, colors, and patterns through hands-on activities, learning about materials, textures, and design where art and science come together in style.

TIE AND DYE KIT

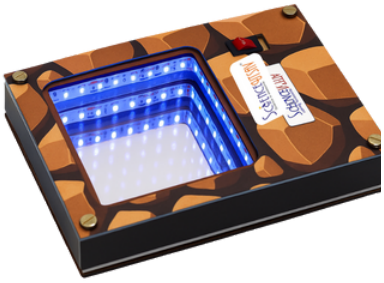
THREAD ART |PAPER FASHION | JUTE COASTER

GRADE 07

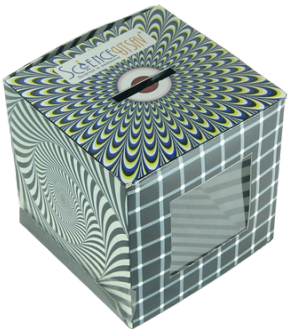
EXPLORER | **DISCOVERER**

RULES OF REFLECTION

Shine and discover how light behaves! Kids explore mirrors, angles, and reflections through interactive activities, learning the laws of reflection and how they shape the world around us.



INFINITY WELL



MAGIC BANK

EFFECTS OF ELECTRICITY

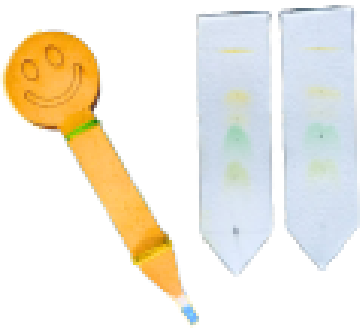
Kids learn about electromagnetism, the factors that affect it, and the basic laws behind it. They design a simple electromagnet and a DC motor to see how electricity creates motion and powers real-world machines.

ELECTROMAGNET

DC MOTOR

FUN WITH PHOTOSYNTHESIS

Kids explore how plants make food using light, water, and air—discovering photosynthesis. They use chromatography to separate chlorophyll and see its fluorescence under UV light, making energy transfer visible and fun.



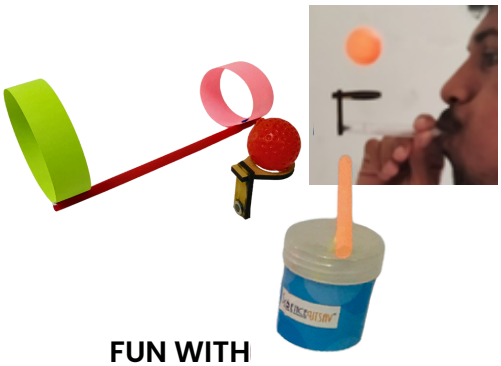
EXPLORE CHLOROPHYL: CHROMATOGRAPHY & FLUORESCENCE | DESIGN UV LAMP

CYANOTYPE PHOTOGRAPHY DEVELOPMENT

UNBALANCED FORCES

Kids explore how unbalanced forces change speed and direction, discovering friction and acceleration in aerodynamics. They learn how these forces help airplanes fly by balancing resistance and achieving equilibrium.

360-DEGREE FAN



FUN WITH AERODYNAMICS

GRADE 07

EXPLORER | **DISCOVERER**

CHANGE IS INEVITABLE

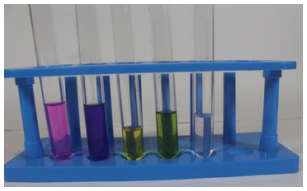
Discover how matter transforms! Kids explore physical and chemical changes—melting, dissolving, burning, and reacting—through fun experiments that reveal why change is a natural, constant part of science and life.

PHYSICAL & CHEMICAL CHANGE

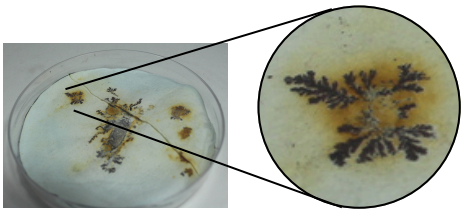
INTRODUCTION TO ELEMENTS

ACIDS AND BASES

Kids use acidic, basic, and neutral substances to see how acids and bases react and neutralize. They test different pH levels, detect hidden substances, and create colorful art using pH indicators.



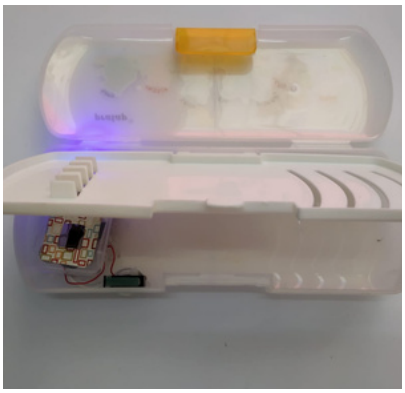
PH SPY: INDICATORS |ART WITH INDICATORS | NEUTRALIZATION



INDICATORS: SOIL TEST | ORGANIC INDICATORS

ELECTRICAL CIRCUITS AND SWITCHES

Flip the switch to science! Kids build simple circuits with bulbs, buzzers, and switches, exploring electricity, conductivity, and control—turning everyday electrical concepts into fun, hands-on experiments.

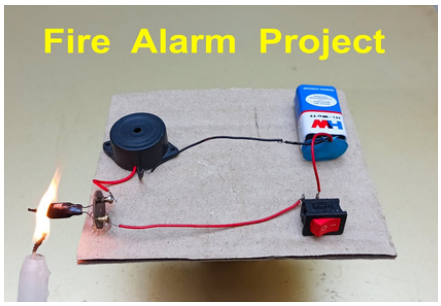


DESIGN A TREASURE BOX

PLAY WITH SWITCH

THERMODYNAMICS

Heat up learning! Kids explore how heat transfers, energy flows, and temperature changes through engaging experiments—discovering conduction, convection, and radiation in action, and how thermodynamics powers the world around us.



BI METALLIC STRIP LAMP

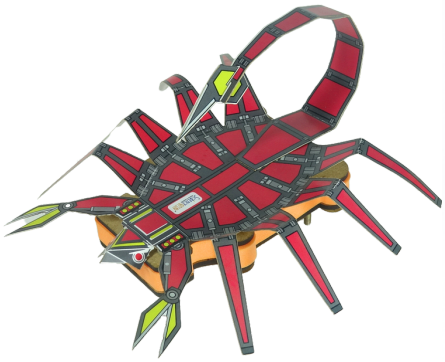
POP-POP BOAT | UNDER WATER VOLCANO

GRADE 08

EXPLORER | **DISCOVERER**

SCIENCE OF VIBRATION

The Scribbling Scorpion & Magical Screw projects explore vibrations, friction, and motion, demonstrating real-world applications in robotics and automation interactively.

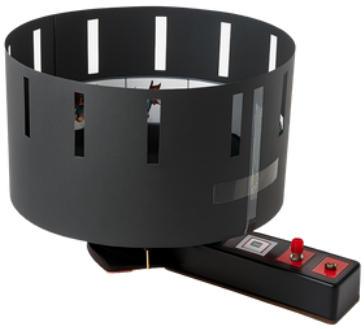


BUZZING SCORPION

MAGIC BOLT

HUMAN EYE AND MOTION PICTURE

See science in action! Kids explore how the human eye works and how moving images form, discovering persistence of vision and the fascinating link between biology and technology.



DESIGN A ZOETROPE

MOTORIZED THAUMATROPE

ELECTROCHEMISTRY

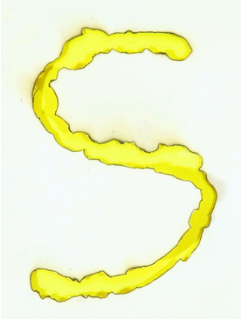
Power chemistry with electricity! Kids explore batteries, electroplating, and chemical reactions driven by electric current—learning how electrochemistry powers devices, stores energy, and connects chemistry with real-world technology.

CITRIC ACID CELL | LEMON BATTERY | ELECTROLYSIS | ELECTROPLATING

MAGIC SALT LAMP

BE A PYRO CHEMIST

Ignite curiosity with chemistry! Kids explore combustion, flames, and colorful reactions through safe experiments—learning how heat and fire reveal the exciting science behind energy and chemical change.



SCIENCE OF COMBUSTION: DESIGN A FIRE EXTINGUISHER | SIZZLING SCRIPT | COLORFUL FLAME | FIREPROOF KETTLE

EXPLORE GASES: POWER OF OXYGEN | BURNING HYDROGEN | FUN WITH CO2

GRADE 08

EXPLORER | DISCOVERER

INTENSITY OF LIGHT

Kids explore how light intensity changes with distance, materials, and sources. They measure brightness and use a potentiometer to control it, discovering simple ways to shine brighter with science.

DESIGN A BED LAMP

ALIEN LAMP

MODERN AGRICULTURE

Grow smarter with science! Kids explore irrigation, soil health, and smart farming techniques, discovering how technology and innovation make agriculture sustainable, efficient, and vital for the future of food.

DRIP WATERING SYSTEM

SOUND AND ITS PROPERTIES

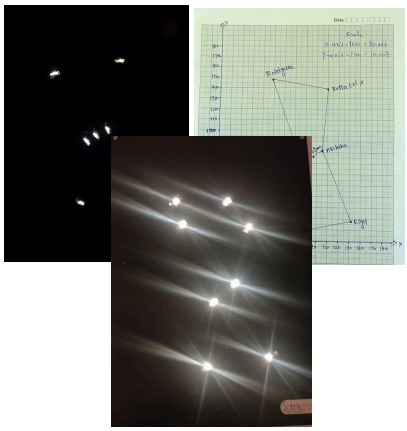
Listen to science in action! Kids explore vibrations, pitch, volume, and echoes through fun experiments—discovering how sound travels, changes, and shapes the way we hear the world.

SHEHNAI DESIGN

FLAP WHISTLE |BALLOON BLOWER | PITCH WHISTLE

STARS AND CONSTELLATIONS

Gaze into the night sky! Kids explore stars, patterns, and constellations, learning how ancient stories and modern astronomy connect—turning stargazing into a fun, hands-on cosmic adventure.



CONSTELLATION LAMP

STAR MAPPING AND CONSTELLATIONS

GRADE 09

EXPLORER | **DISCOVERER**

SOUND AND SIGNALS

Decode the science of communication! Kids explore how sound becomes signals through vibrations, frequencies, and patterns—learning how voices, instruments, and technology send messages across distances.

TRIP ALARM

DESIGN A MORSE CODE

CONTACT AND NON CONTACT FORCES

Push, pull, or act at a distance! Kids explore friction, tension, magnetism, and gravity through engaging activities—discovering how forces shape motion and interactions in everyday life.

DESIGN MAGNETIC SWITCH LAMP

MAGNETIC SWITCH

WHY THINGS REACT

Uncover the secrets of chemistry! Kids explore why substances combine, change, or release energy—learning about reactions, catalysts, and everyday chemistry through fun, hands-on experiments.

SHACKY BOTTLE |COPPER TREE | CHAMELEON CHEMISTRY

ION CARD GAME

LAWS OF MOTION

Set science in motion! Kids explore Newton's three laws through fun activities, discovering how inertia, acceleration, and action-reaction govern everyday movement, from rolling balls to speeding rockets.

NEWTON'S SUPERHERO

NEWTON'S CAR

GRADE 09

EXPLORER | **DISCOVERER**

DENSITY & BUOYANCY

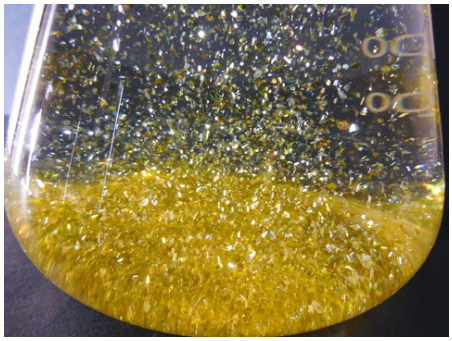
Sink, float, and explore water science! Kids test objects to understand density and buoyancy, discovering Archimedes' principle through fun, hands-on experiments with liquids and everyday materials.

DESIGN A NEWTON'S BOAT

BUOYANT SCIENCE: PLAY WITH MAGIC DIVER | ARCHIMEDES PRINCIPLE

SCIENCE OF SEPARATION

Sort it out with science! Kids explore filtration, evaporation, sieving, chromatography, and crystallization—discovering how mixtures are separated in daily life through fun, hands-on chemistry experiments.



FUN WITH CRYSTALLIZATION
CRYSTALS OF UREA | GOLDEN CRYSTALS

FUN WITH GRAVITY

Drop, fall, and discover! Kids explore how gravity pulls objects, creates weight, and controls motion. They even use gravity to design a simple switch that can turn on a lamp in a fun, hands-on way.

GRAVITY LANTERN

TILT SWITCH DESIGN

SATELLITE SCIENCE

Launch into space learning! Kids explore how satellites orbit Earth and how rotation patterns work. They discover the science behind satellites and how space technology connects our modern world from above.

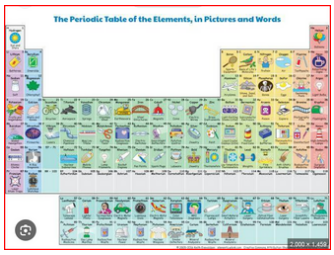
DESIGN A GEO STATIONARY SATELLITE

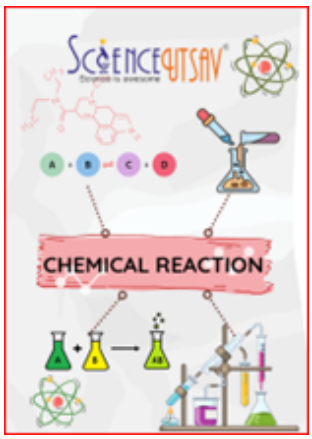
DESIGN A SEXTANT | SPIROGRAPH

GRADE 10

CHEMICAL REACTIONS AND EQUATIONS

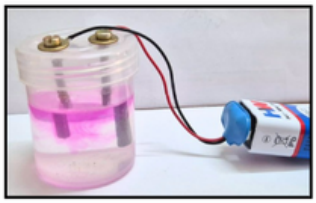
Kids explore how substances combine and change through exciting chemical reactions. They learn to write simple chemical equations, balancing them to understand how matter is conserved in every reaction





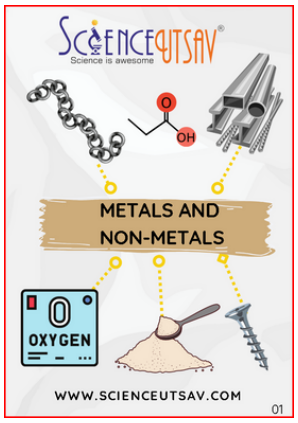
PH SCIENCE

Kids explore pH science and the chlor-alkali process through fun experiments. Using batteries, turmeric indicators, and electrolysis, they write with circuits and discover how new substances like ammonia are created.



METALS AND NON METALS

Kids learn about metals and non-metals through fun experiments and simple reactions. They play an ionic bonding card game with polyatomic ions to explore how elements combine.



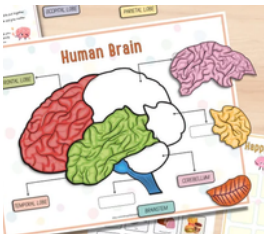
CARBON AND ITS COMPOUNDS

Kids explore carbon and its compounds through simple hands-on experiments. They learn about covalent bonds and discover how carbon forms the basis of life and materials around us

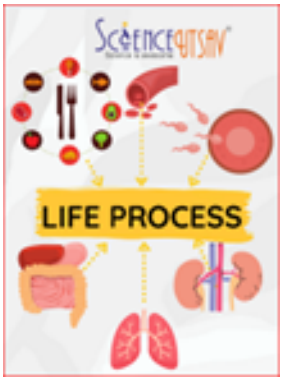
GRADE 10

LIFE PROCESS & CONTROL AND COORDINATION

Kids discover life processes like breathing, digestion, and circulation through fun activities. They also learn how the brain, nerves, and senses coordinate and control our body.



PURPLE YELLOW RED
BLACK RED GREEN
RED YELLOW ORANGE
BLUE PURPLE BLACK
RED GREEN ORANGE

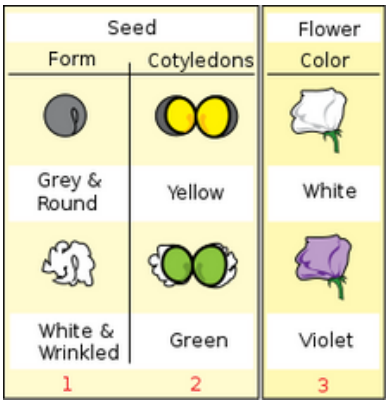


HUMAN EYE & COLORFUL WORLD | OPTICS

Kids explore the human eye and how it helps us see the colorful world. Through simple optics experiments, they learn about vision, lenses, and the science of light and color.

HERIDITY & REPRODUCTION

Heredity shows how traits are passed from parents to offspring. Reproduction in plants and animals helps understand how life continues and new generations are formed.



ELECTRICITY AND MAGNETIC EFFECTS OF ELECTRICITY

Electricity flows through circuits to power devices and create light and motion. Its magnetic effects can make motors, electromagnets, and other fascinating experiments come to life.

MAKER SCIENTIST
POWERED BY SCIENCEUTSAV

160+ Inhouse Manufactured Kits

Want more info?
Text us for the catalogue now.

8105162640

- Make and Take Home Projects
- Research Based Experiments
- HIgher Order THinking Worksheets
- 5E Pedagogy Learning Methods
- Concept Map, Role Play, Simulations, Games etc

Let’s transform your classrooms into innovation hubs.

KNOW STEM
KNOW FUN

91-8105162640

www.scienceutsav.com