Super Science
Grownup Guide

Visit **kiwico.com/super-science** or sign in to access online **explore more** materials.

Kid scientists get curious with exciting activities that deliver "aha!" moments of discovery.

Build & Experiment

☐ **CRATE:**
Light Refraction
Discover: Refraction & Fiber Optics

☐ **CRATE:**
My Body and Me
Discover: Muscles & Organs

☐ **CRATE:**
Puppet Engineering
Discover: Gravity & Simple Machines

☐ **CRATE:**
Arcade
Discover: Mechanics

☐ **CRATE:**
Water Wheel
Discover: Hydropower & Energy

☐ **CRATE:**
Ultraviolet Light
Discover: Ultraviolet Light

Explore more

☐ **ONLINE DIY:**
Fizzy Lava Lamp
Discover: Polarity & Density

☐ **ONLINE DIY:**
Muscle Machine
Discover: Muscles

☐ **ONLINE DIY:**
Pumping Hearts
Discover: Heart Anatomy

☐ **ONLINE DIY:**
Whack-A-Groundhog
Discover: Force & Motion

☐ **ONLINE DIY:**
Dancing Robot Puppets
Discover: Levers & Puppet Engineering

☐ **VIDEO:**
The Science of Arcade Games
Discover: Force & Gravity

☐ **VIDEO:**
How to Make a Glass Tube Invisible
Discover: Refraction

☐ **VIDEO:**
How to Make a Rainbow Density Jar
Discover: Liquid Density

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Explore more materials 

ONLINE DIY: Fizzy Lava Lamp

- [ ] container
- [ ] vegetable oil
- [ ] water
- [ ] food coloring
- [ ] fizzy tablets

ONLINE DIY: Muscle Machine

- [ ] printable
- [ ] scissors
- [ ] crate box (or cardboard)
- [ ] pencil
- [ ] push pin
- [ ] brads (8)
- [ ] bobbins (4)
- [ ] string
- [ ] double-sided tape
- [ ] zip ties (2)
- [ ] plastic bottle (or glass bottle)
- [ ] water (optional)

ONLINE DIY: Pumping Hearts

- [ ] cups (3)
- [ ] balloons (3)
- [ ] clear straw (2)
- [ ] bendy straw (1)
- [ ] water
- [ ] red food coloring
- [ ] Scissors
- [ ] Tape

ONLINE DIY: Whack-A-Groundhog

- [ ] crate box
- [ ] dixie cups (8)
- [ ] popsicle sticks (6)
- [ ] quarters (6)
- [ ] clothespins (6) - small
- [ ] scissors
- [ ] white glue
- [ ] x-acto knife
- [ ] rubber bands (12) - tiny
- [ ] yarn
- [ ] skewer
- [ ] pencil

ONLINE DIY: Dancing Robot Puppets

- [ ] cardstock, heavy paper, or cardboard
- [ ] markers
- [ ] scissors
- [ ] brads
- [ ] string or yarn
- [ ] tape
- [ ] a few coins

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Achievement Certificate

has successfully completed the **Super Science** Summer Adventure Series.

- [x] Refraction & Fiber Optics
- [x] Muscles & Organs
- [x] Simple Machines
- [x] Gravity
- [x] Mechanics
- [x] Hydropower
- [x] Energy
- [x] Ultraviolet Light

