



Optrix

PHYSICS OF COLOR AND LIGHT

Grades
K-1

Explore Spectrafun with HOS!

Hands On Science Fall Session Now Enrolling!

During eight, one-hour classes, your child will explore science in a fun, hands-on, active learning program.

Hands-on activities include:

- making a model of your eye
- finding rainbows in light
- separating colors
- looking through an insect eye
- making shapes with pattern blocks

Science explorations include:

- observing color and collecting data
- exploring light defraction
- analyzing color through chromatography
- comparing eyes in different animals
- comparing visual patterns and geometric shapes

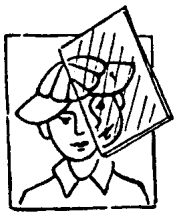
HOS Leaders say,

“The materials in this program promote an atmosphere of play, not study, and all ideas and thoughts are encouraged.”

During each HOS class, children will investigate science ideas with their own hands-on materials. Questions asked during class will challenge each child to think critically about the world as the small group explores **Optrix**. After each class, your child will bring home materials for display, discussion and further discovery.



HANDS ON SCIENCE
www.hosprograms.org



Illusions

PHYSICS OF COLOR AND LIGHT

Grades
2-3

Explore Spectrafun with HOS!

Hands On Science Fall Session Now Enrolling!

During eight, one-hour classes, your child will explore science in a fun, hands-on, active learning program.

Hands-on activities include:

- making a model of your eye
- creating puzzles to trick your eye
- looking at colors in motion
- creating shapes that tessellate
- exploring images with different lenses

Science explorations include:

- observing eye components and function
- seeing the eyes and brain work together
- experimenting with persistence of vision
- analyzing patterns and geometric shapes
- observing lenses and how binoculars work

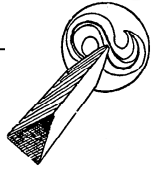
HOS Leaders say,

“The hour goes by so fast and they can’t wait to get out the door and show someone what they have learned.”

During each HOS class, children will investigate science ideas with their own hands-on materials. Questions asked during class will challenge each child to think critically about the world as the small group explores **Illusions**. After each class, your child will bring home materials for display, discussion and further discovery.



HANDS ON SCIENCE
www.hosprograms.org



Kaleidoscope

PHYSICS OF COLOR AND LIGHT

Grades
4-6

Explore Spectrafun with HOS!

Hands On Science Fall Session Now Enrolling!

During eight, one-hour classes, your child will explore science in a fun, hands-on, active learning program.

Hands-on activities include:

- looking at 3-D images
- creating curved mirror reflections
- exploring and creating puzzles
- creating visual illusions
- constructing a simple kaleidoscope

Science explorations include:

- utilizing filters and stereoscopic vision
- analyzing anamorphic drawings
- designing original tessellating shapes
- experimenting with persistence of vision
- hypothesizing and testing image reflections

HOS Leaders say,

“It is a pleasure to watch when the “ah-ha” occurs and hearing adjectives like how ‘cool’ or ‘awesome’ science is!”

During each HOS class, children will investigate science ideas with their own hands-on materials. Questions asked during class will challenge each child to think critically about the world as the small group explores **Kaleidoscope**. After each class, your child will bring home materials for display, discussion and further discovery.



HANDS ON SCIENCE
www.hosprograms.org