



SYNERGISTIC MISSIONS



A HANDS-ON SCIENCE SOLUTION GRADES K-6

THINK
EXPLORE
LEARN

When talking to elementary teachers and principals, the challenges of teaching science quickly become clear.

“It’s difficult.”

“It’s time-consuming.”

“We lack time and materials.”

“We’re preparing them for standardized tests, but we’re not preparing them to be scientists.”

Many teachers don’t have the time to prepare the science curriculum *they want to teach*; meanwhile, administrators can’t find the time and resources for students to learn the science *they need to learn*.

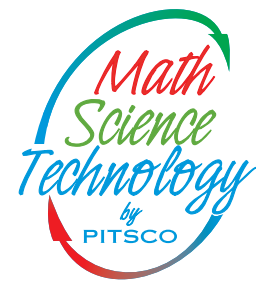
In direct response to these challenges, Synergistic Learning Systems has developed the strongest hands-on science curriculum for the Elementary grades – *Synergistic Missions*.

Synergistic Missions are designed to bring hands-on science curriculum into the Elementary school. Synergistic Missions are convenient and effective – offering a rich science experience to students in a teacher-friendly package.

In a Synergistic Missions classroom, science takes first place on the agenda for the day.

SYNERGISTIC MISSIONS:

- Deliver a rich science curriculum for Grades K-6
- Contain a strong reading and language arts emphasis
- Are developmentally appropriate
- Include hands-on activities in every Mission
- Integrate core content areas
- Increase students’ awareness of career linkages
- Correlate to state and national standards
- Are a convenient way for existing personnel to teach science with existing personnel



HANDS-ON SCIENCE

Synergistic Missions are an “integrated” hands-on science curriculum.

Though the content focus is science, Synergistic Missions are packed with math, technology, and language arts experiences, making it a truly well-rounded curriculum.

EMPHASIS ON READING

Synergistic Missions curriculum is reading intensive to help students develop the reading skills that are so important in the elementary grades. Reading levels in every Mission are developmentally appropriate for the age level of the student.

SERIES I – GRADES K-1
 COLOR AND LIGHT
 COMMUNITY
 CONSTRUCTION
 FARM
 LIVING THINGS
 MAGNETS
 ROCKS AND SOIL
 SINK OR FLOAT
 TOOLBOX CREATIONS
 USE AND REUSE



SYNERGISTIC MISSIONS' KEY FEATURES

Synergistic Missions are *developmentally appropriate* for children from Kindergarten through Grade 6. Curriculum, environment, and activities are created around the needs of each target age group.

Synergistic Missions is a *hands-on science* solution. Synergistic Missions abound with hands-on activities, and the curriculum covers content in life science, Earth science, and physical science, while integrating math, technology, and language arts.

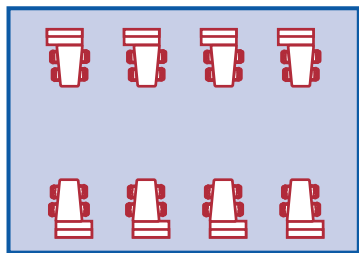
Teacher Orientation prepares the teacher to coordinate, manage, and teach his or her new curriculum. This optional orientation is administered in the teacher's own classroom by a certified Synergistic Missions specialist.

MEETING STANDARDS

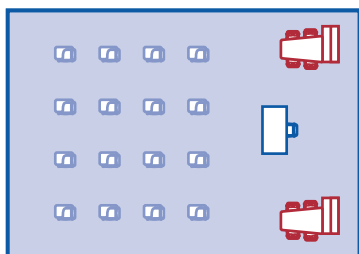
Synergistic Missions curriculum correlates to *state and national standards*. Today more than ever, teachers, principals, and schools are held accountable to educational standards. Pitsco maintains a comprehensive database of state and national standards that can report correlations for each activity and event in a Mission.

HOW CAN I USE SYNERGISTIC MISSIONS?

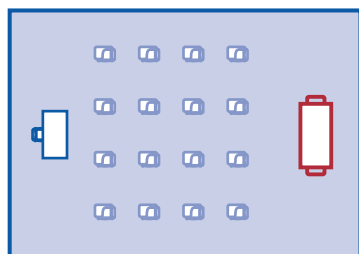
By combining Synergistic Missions with a flexible environment, a school can create a science curriculum that best fits the students' needs.



- 1) **Science Lab** – Synergistic Missions can replace or enhance an existing science curriculum in the Science Lab configuration. Students rotate through multiple Missions, changing teammates and topics when they move.



- 2) **Science Center** – A Science Center complements an existing science curriculum with hands-on activities and additional content. It can also be used to supplement a curriculum to meet specific educational standards.



- 3) **After-School Program** – Synergistic Missions are the perfect fit for after-school programs. Synergistic Missions are designed to be mobile and can be easily moved from classroom to storage. And because all Mission curriculum is delivered in a similar way, teacher training and facilitation are much easier than with traditional curriculum.

SERIES II – GRADES 1-2
 BEING A SCIENTIST
 CYCLES & PATTERNS
 EARTH, MOON, & SUN
 FIVE SENSES
 FOOD
 LIFE ON EARTH
 ON THE EARTH
 PRIMARY GEARS
 PRIMARY LEVERS
 PRIM. WHEELS & AXLES
 SEEDS
 SOLID, LIQUID, & GAS
 WEATHER

SERIES III – GRADES 3-4
 3-D DINOSAUR
 AIR EVERYWHERE
 AIR POWER
 ANIMALS
 BODY, BY GOLLY
 BUG WORLD
 CHANGING EARTH
 CLASSIFYING
 CLIMATE AND WEATHER
 COMPASS CREATIONS
 DESIGN AND TEST
 ECOLOGY
 ELECTRICITY
 ENERGY AND WORK
 FLYING THINGS
 FORCES
 GEARS
 HOME DESIGN
 LENSES
 LEVERS
 LIGHT WORKS
 MAGNETISM
 MATTER
 MOTION
 MY BODY AND ME
 PATTERNS
 PLANTS
 PULLEYS
 SCIENTIFIC SKILLS
 SKYSCRAPERS
 SOIL AND ROCKS
 SPACE
 STRUCTURES
 UNDERSEA ADVENTURE
 WAVES
 WHEELS AND AXLES

SERIES IV – GRADES 5-6
 AIR AND WATER
 ANIMAL ADAPTATIONS
 ANIMAL SURVIVAL
 CELLS AND REPRODUCTION
 CHEMICAL REACTIONS
 CRIME LAB
 EARTH AND SPACE
 EARTH ROCKS
 ENERGY
 ENGINEERING
 EPIDEMIC
 EXTREME EARTH
 GEOMETRY
 HEALTH AND SAFETY
 THE HUMAN MACHINE
 INTERACTIONS
 LIGHT AND SOUND
 LIMITED RESOURCES
 MATTER MATTERS
 MICROSCOPES
 MOTION AND FORCE
 OCEANS
 PUZZLERS
 ROCKETRY
 SCIENCE AND SOCIETY
 SCIENTIFIC DATA
 SCIENTIFIC DISCOVERY
 SCIENTISTS
 SIMPLE MACHINES
 SPACE EXPLORATIONS
 SOLAR SYSTEM
 SYSTEMS
 TECHNOLOGY AND DESIGN
 TRANSPORTATION