

Program Purpose

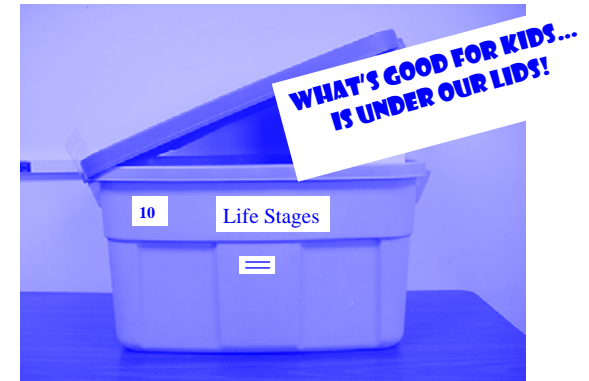
The State Standard Science Program and Assessments represent a major effort to improve the instruction of elementary science from pre-kindergarten to grade six and to create a scientifically literate society.

The program has available units of instruction correlated to the *New York State Math, Science and Technology Standards*. Students perform experiments and pursue ideas and investigations on their own initiative while the teacher provides individual attention and direction. Development of positive attitudes toward science by students is encouraged through hands-on activities.

Kits of materials are fabricated and refurbished by Oneida BOCES. Schedule lists for individual teachers are generated by our Science Center. When kits are returned to us they are replenished and sent to teachers in other classrooms. The kits also include hands-on Assessments which teachers may choose to use with their own tests, plus an additional test, which can be used as an A.I.S. test for students who need more instruction on the kit's concepts. The A.I.S. Test could also be used as a pre-test to assess students' prior knowledge before teaching the topic.

The State Standards Science Program Is.....

- Instructional Support correlated to the *New York Math, Science and Technology Standards* that emphasize inquiry process skills
- A hands-on interdisciplinary service that converts a regular classroom into a science laboratory while integrating English, Math and Social Studies skills
- A change agent for improving the instruction of elementary science
- A flexible modular approach to elementary science
- An integrated literacy unit providing trade books for teachers and/or students to read plus core vocabulary cards
- A listing of: bibliographies, mediaographies and field trips which provide additional help to students and teachers
- A scientist's science curriculum



KITS AVAILABLE

SCIENCE READINESS

Changes in Plants
Changes in Frogs
Nutrition
Health and Safety



KINDERGARTEN

Senses
Seeing Is Believing
Hermit Crabs Plus Plants



FIRST GRADE

Matching
Animal Characteristics
Goldfish
Plant Characteristics
Common Objects

SECOND GRADE

Sorting
Life Stages
Physical Interactions



THIRD GRADE

Life Cycles In Nature
Sound
Exploring Changes
In Our World
Gather, Graph and the Weather



KITS AVAILABLE

Buoyancy—Gr. 3 or 4



FOURTH GRADE



*Data Data Plus Astronomy
Plants, Prey and Predators
Landforms and Boulders*

Classifying Plants and Animals—

Gr. 4 or 5

Chemical Relationships— Gr. 4 or 5

FIFTH GRADE

Introduction to Controlled Studies

Rocks and Minerals—Gr. 5 or 6

Outer Space—Gr. 5 or 6

Weather—Gr. 5 or 6



SIXTH GRADE

Experimenting

Brine Shrimp

Looking At Liquids

M.S.T. Links

Simple Machines

Energy

Environmental Factors



Intermediate Academic Intervention Services

A.I.S. Science Kits have been developed for students in grades 5-8. Teachers may borrow any of the kits by contacting the Science Center. They are available for a one-month period of time.

NEW YORK STATE STANDARDS/ SCIENCE CORRELATION

The Science Kits are designed to provide examples of how the *New York State Science Core Curriculum* can be taught. Concepts, inquiry process skills, basic skills and activities that develop positive attitudes toward science are included in the teacher's manuals that accompany each unit. Additional teacher's manuals can be purchased.

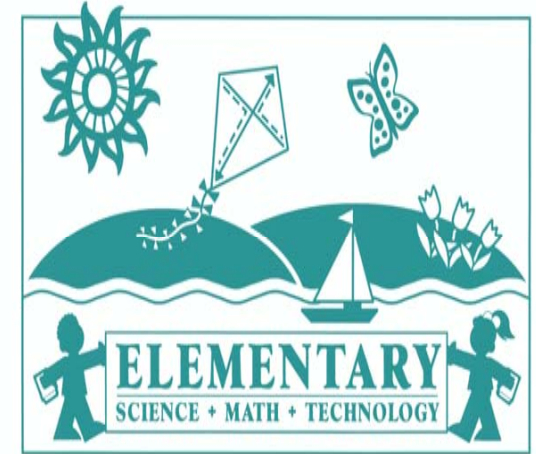
All K-6 and some Science Readiness units are leased through a cross-contract between your BOCES and Oneida BOCES. Units are designed for use by one class of 30 students for a specific length of time (4 to 12 weeks, depending on the unit). The Science Readiness kits serve 20 students. Kits are delivered and picked up at your building. In addition, teachers are encouraged to participate in a free in-service course prior to using the materials.

For more information about the State Standards Program, contact Pat Zuck, Science Program Specialist at (315) 793-8619 or the Science Center at (315) 793-8590.

Our email addresses are: pzuck@oneida-boces.org or jdangler@oneida-boces.org



Elementary Science Kits Science Readiness to Grade 6



State Standards Science Program (SSSP)

Patricia Zuck, Program
Specialist
Oneida-Herkimer-Madison
BOCES
Box 70

Middle Settlement Road
New Hartford, New York 13413
(315) 793-8619

"Achieving Excellence in Our Schools"