

Pre-Kindergarten Program ©2007

Pre-K Science Kit

This complete kit contains all of the resources needed for introducing science concepts to the pre-school learner.

- Provides a variety of hands-on experiences for conceptual development
- Includes circle time and center activity suggestions
- Features a flexible lesson plan that supports a variety of learning environments

Kit contains the following components: Teacher's Edition; Flipbook (27"x18"); Big Science Readers (2 volumes, 15"x18"); Posters; Science Songs on Audio CD; and Photo Sorting Cards. A separate activity materials package is also available.

Teacher's Edition

This teaching resource book provides a variety of science activities to help young children explore the world around them.

- Organized into six units
- Experience-based learning opportunities with a focus on oral language development

Spiral bound

Flipbook

This classroom resource book provides a variety of rich and engaging photographs to convey the major science concepts.

- Helps children learn about the world around them by using real pictures
- Large laminated pages help make group discussions interactive

Spiral bound; 27" x 18"; laminated

Big Science Readers (Two Volumes)

These nonfiction stories and poems provide support to the science content.

- Colorfully illustrated poems and stunning photographs
- Two-volumes for easy classroom use

Soft cover; 15" x 18"

Posters

This resource supports the science songs and class instruction

- Two-sided posters with words to songs
- Lyrics tied to the development of the science concept

Package of 6 posters; 22" x 17"; double-sided

Science Songs Audio CD

This audio CD provides songs that enhance the science lessons.

- Twelve songs with separate instrumental tracks for singalongs
- Provides kinesthetic activities for young learners

Audio Compact Disc; 24 tracks

Photo Sorting Cards

These picture cards support the development of language skills and visual literacy.

- Sixty pairs of cards enhance learning science words
- Can be used for reading, math, and matching activities

Package of sixty laminated cards

Pre K Deluxe Equipment Kit

This equipment package contains the essential activity materials used in each lesson.

- Packaged in a rolling cart for easy storage
- Labeled drawers make it easy to gather materials

Three-drawer cart on wheels

Kindergarten Program ©2011

Kindergarten Learning System

This complete package contains all kindergarten resource materials necessary for introducing science concepts to the young learner.

- Contains all components for classroom science instruction
- Offers a variety of instructional tools to accommodate different classroom environments
- Provides complete instructional support and directions

Includes Teacher's Edition; Flipbook (27" x 18"); Literature Big Book Package (6 Big Books, 15" x 18"); Science Resource Book; Kindergarten Activity Book; A to Z Activity Book; Science on the Go (with key ring); Photo Sorting Cards; Floor Puzzles (3 puzzles); Instructional Navigator CD-ROM; Science Songs Audio CD; Science Leveled Reader Package (36 titles)

Teacher's Edition

This teaching resource book provides a variety of science activities to help young children explore the world around them.

- Organized into three strands: Life Science; Earth Science; Physical Science
- Experience-based learning opportunities with a focus on oral language development

Spiral bound

Flipbook

This classroom resource book provides a variety of rich and engaging photographs and illustrations to convey the major science concepts.

- Focus on language development and experience-based learning
- Large laminated pages help make group discussions interactive

Spiral bound; 27" x 18"; laminated

Literature Big Books

These nonfiction stories and poems provide support to the science content through shared reading experiences.

- Colorfully illustrated poems and stunning photographs make it appealing to the young learner

Macmillan/McGraw-Hill Science: A Closer Look ©2011

- One for each unit of science study: Life Science, Earth Science, Physical Science
Soft cover; 15" x 18"; three-volume set

Science Resource Book

This book provides a single source of lesson resources for the busy kindergarten teacher.

- Includes School to Home letters for content support
- Offers informal assessment checklists and blackline masters

Blackline master format

Kindergarten Activity Book

This book supports vocabulary development, reviews science concepts, and reinforces key science skills for the young learner.

- Provides a consumable text for the Kindergarten student
- Enriches the science instruction from the flipbook lessons

Consumable workbook

A to Z Activity Book

This classroom resource book provides science activities based on the letters of the alphabet.

- Includes four different activities for each letter of the alphabet
- Extends science instruction through an interdisciplinary approach

Blackline master format

Science on the Go

These fun-fact science cards provide quick, easy-to-access ideas for transitioning between lessons.

- Includes handy clip-on key ring for ease of use

Laminated; 3"x4"; with key ring; Grade K-1

Photo Sorting Cards

These engaging photo cards support classroom activities and independent learning centers.

- Full-color visuals with picture descriptions
- Laminated for durability in the classroom
- Two sets allow for matching activities

Laminated; pairs of cards; 72 cards in all

Floor Puzzles

The Floor Puzzles are reproductions of the unit opener page of the Flipbook and provide kinesthetic and language development activities.

- Enhance development of motor coordination and spatial skills
- Provide alternative hands-on approach to teaching concepts
- Interactive nature of puzzles support oral language development skills

Three different puzzles (Life Science, Earth Science, Physical Science); 48 pieces each; 36" x 24"; includes interactive manipulatives

Science Songs Audio CD

A collection of fun songs provides support for the development of key science concepts.

- Corresponds to lesson pages in the Flipbook
- Strengthens student understanding of science concepts
- Supports oral language skills in all students

Audio compact disc

Science Leveled Reader Package

Multi-leveled science readers provide a variety of ways for students to access science concepts.

- Chapter concepts and vocabulary are reinforced
- Includes culminating activities and questions
- Three levels of readers: Approaching; On Level; Beyond.

Soft-cover; 6" x 9"

Student Editions/Teacher's Editions ©2011

Student Edition

This book includes hands-on activities, science content, and high-interest special features that address National and State Science Standards.

- Features dynamic visuals and graphics to help spark student interest
- Provides an engaging text style that is easy to read and helps make learning fun

Single, hardbound text for Grades 1-6

Teacher's Editions

This easy-to-follow teaching tool helps make the most effective use of science instructional time.

- Contains helpful teaching tips, strategies, and suggestions to meet the needs of all learners
- Provides interdisciplinary connections with special emphasis on Reading, Writing (Language Arts), and Math

Grades PreK-K Spiral-bound one volume book

Grades 1-6 Spiral-bound book that comes in a three-volume set: Life Science, Earth Science, Physical Science

Resources and Ancillaries

Reading Essentials

This student resource provides an “interactive” reading experience to improve student comprehension of science content.

- Makes lesson content more accessible to struggling students
- Supports goals for differentiated instruction
- Allows students to highlight text and includes write-in spaces for note taking.

Grade-specific (1-6) consumable workbook designed for individual student use.

Building Skills: Reading and Writing

This student resource provides practice for reading and writing skills and corresponds to the science content of each lesson.

- Includes graphic organizers, vocabulary practice, and lesson outlines for every lesson
- Designed to maximize student understanding of each new science concept

Grade-specific (1-6) consumable workbook designed for individual student use. It is also available in blackline master format.

Building Skills: Activity Lab Book

This student resource provides recording pages for all of the science activities and investigations available in the program.

- Provides structured approach to recording activity results
- Supports all of the inquiry activities found in the Activity Flipchart

Grade-specific (1-6) consumable workbook designed for individual student use. It is also available in blackline master format.

Building Skills: Math

This resource book provides additional mathematics skill practice relating to the science content found in each chapter.

- Provides real-world application of math skills
- Includes five basic categories of math skill review: Number Sense; Algebra and Functions; Measurement and Geometry; Statistics, Data Analysis, and Probability; and Mathematical Reasoning

Grade-specific (1-6), blackline master format

Building Skills: Visual Literacy

This resource provides help on how to interpret and analyze the visual materials (i.e., photographs, diagrams, maps, charts, etc.) found in the Student Edition

- Helps build connections between key details of science concepts and the visuals that depict those ideas
- Provides a structure for organizing the main ideas or science principles in each lesson

Grade-specific (1-6), blackline master format

Building Skills: Assessment

This resource provides additional assessment options and tests for every lesson of the Student Edition.

- Includes assessments for chapter vocabulary, skills, and science concepts
- Features a variety of format options including multiple choice, fill-in-the-blank, and open-ended response
- Includes Performance Assessment options for each chapter

Grade-specific (1-6), blackline master format

Literature Big Books

These large-format books support science instruction through a shared reading experience.

- Features colorful illustrations and motivating photographs
- Allows for whole class instruction
- Reproductions of the On Level Science Leveled Readers

Grade-specific (K-2); 15" x 18" soft-cover books

Activity Flipchart

This large, spiral-bound chart contains reproductions of the Student Edition activities.

- Supports the development of hands-on learning through classroom science activity centers
- Includes additional open-ended inquiry investigations: Learning Labs and Everyday Science Activities for every grade
- Laminated pages allow for write on/wipe off note taking

Grade-specific (1-6), 17"x11" spiral bound book with self supporting easel

English Language Learner Teacher's Guide

This teaching resource provides strategies geared towards building science concepts and language skills in the English Language Learner.

- Contains specific teaching strategies for every lesson
- Provides differentiated instructional support for the classroom teacher
- Supports student language development while introducing science concepts

Grade-specific (K-6)

Transparencies for Visual Literacy

This package of overhead transparencies supports both the Student Edition graphics and visual literacy lessons.

- Allows for whole-class instruction of key lesson concepts
- Builds science understanding through the lesson's visual graphics
- Provides full-color versions of key textbook illustrations and visuals

Grade-specific (1-6); includes answers

Key Concept Cards

These cards provide specific instruction of key science concepts for small groups or individual students.

- Utilizes key lesson visuals to provide direct science instruction on key lesson concepts
- Identifies an intervention routine and strategy for each visual
- Uses same illustrations as found on the Transparencies for Visual Literacy

Laminated cards; 8.5"x11

Photo Sorting Cards

These cards feature engaging photographs that provide opportunities for vocabulary reinforcement and concept development in young learners.

- Includes two sets of cards allowing for matching and sorting activities
- Helps develop oral language skills in the primary student
- Different set of pictures in each grade

Grades K-2; 4"x6" laminated cards

Science Resource Book

This teacher resource provides instructional blackline masters for School to Home Activities, Science Journal in unit format, Assessment, Checklist and Graphic Organizers.

Grade K blackline master format.

Human Body Book

This student edition addresses state standards by providing instruction on the human body – its systems, structures and functions.

- Includes hands-on activities that explore the human body
- Contains health-related information related to each system
- Supports specific goals of state-specific science standards
- Utilizes a single-volume Teacher Guide K-6

Grades K-2, 3-4, 5-6; softcover; Teacher Guide K-6

Technology A Closer Look Student Editions

This student edition addresses state standards by providing instruction on technology, its development, its history, and its impact on society.

- Provides information on all types of transportation, including media, transportation, entertainment, and medical technology
- Includes hands-on activities that explore technological advances
- Supports students understanding of specific state technology/design process/engineering standards.

Grades K-2, 3-4, 5-6; softcover

Technology A Closer Look Teacher's Guide

This teaching resource provides instructional plans for each lesson of the *Technology A Closer Look* Student Edition.

- Contains blackline master worksheets that address technology standards
- Provides additional activities for developing science concepts
- Supports student understanding of specific state technology/design process/engineering standards

One Volume; softcover

School to Home Activities

This classroom resource includes activities to promote family involvement in the learning process.

- Includes letters to the home explaining the science concepts being taught
- Allows children to perform simple science activities at home
- Relates home activities to specific lessons in the Student Edition

Grade-specific (1-6) book; blackline master format

Vocabulary Cards

These large, laminated cards provide support for vocabulary development.

- Builds science understanding through direct vocabulary introduction
- Provides opportunities for vocabulary preview, review, and reinforcement
- Fosters language development skills for all students

Laminated 8.5"x5.5" cards contain pictures, definition, and words used in a sentence

Science Leveled Readers

These multi-leveled science readers deliver chapter science content to help address the individual needs of all students.

- Features four readers per chapter: Approaching; On Level; Beyond and an English Language Learner version of the On Level reader
- Provides universal access to the chapter science content and supports the goals of differentiated instruction
- Reinforces reading skills and strategies while promoting science understanding

Soft-cover books; 6"x9"; packaged individually, in 6 packs per title or in grade level sets; 4 per chapter

Leveled Reader Teacher's Guides

These teaching guides feature additional suggestions to support the use of the science leveled readers in the classroom.

- Provides strategies for using the Science Leveled Readers for instruction
- Suggests routines for different classroom settings
- Incorporates graphic organizers focusing on content area reading strategies

Grade-specific K-6; laminated; 8.5" x 11"

Sally Ride Science Reader Library

Published by Sally Ride Science, these books provide additional science reading experiences.

- One series explores careers related to science
- One series provides information on our Solar System

Grade 4-6; 7"x9" soft-cover books

Science Trade Book Libraries

This collection of leveled science theme books enhances the teaching of science by providing additional reading experiences.

- Contains 20 titles in two series, Grade 1-3 and Grade 4-6
- Supports content area reading skills while enhancing science concepts

Grade 1-3 Series contains: From Maple Tree to Syrup; From Cement to Bridges; From Fruit to Jelly; Freezing and Melting; The Moon; Planet Earth; Hurricanes; Earth; Moon; Gravity; Push and Pull; Magnets; Heat; Sound; Volcanoes; What is Water?; Inclined Planes and Wedges; Formula One Race Cars; Robotics; The Life of Milton Hershey

Grade 4-6 series contains: A Walk in the Rain Forest; A Walk in the Deciduous Forest; Seeds, Stems and Stamens; Dinosaur Mummies; Amazing Schemes with Your Genes; DNA is Here to Stay; Hurricanes; Planet Earth; Earth Watch; Chemistry; Electricity; Sound; Light; Air; Paper Airplanes; Indy 500 Inside Track; Discovering Nature's Laws- Isaac Newton; Her Piano Sang- Clara Schumann; Click- George Eastman; What are You Figuring Now, Benjamin Banneker;

Grades 1-3 and Grades 4-6; packaged individually or in grade level sets

Unit Big Books

These large hard-cover unit books facilitate whole-class science instruction in the primary grades.

- Allows teachers to model scientific process or literacy skills for the whole class
- Divided into four units (Life Science, Earth Science, Physical Science, Be a Scientist)
- Individually bound for ease of use in the classroom

Grade-specific (1-2); 16"x21"; hard-cover books with carry handle

Science on the Go

These fun-fact science cards provide quick, easy-to-access ideas for transitioning between lessons.

- Includes handy clip-on key ring for ease of use

Laminated; 3"x4"; with key ring; Grade K-1

Science "Projects in a Pocket" Activities

This classroom resource provides cross-curricular activities that support science instruction in the primary classroom.

- Extends science instructional opportunities to other curriculum areas
- Tied to the development of reading, math, music, and language skills
- Fun and motivating hands-on activities help develop motor skills for young learners

Grade 1-2; blackline master format

Teacher's Desk Reference

This book provides articles on various professional topics written by noted educators.

- Includes a content trace chart for curriculum mapping.

Grade K-6

Science Fair Handbook

This book provides suggestions and strategies for organizing and implementing Science Fairs in your school

- Includes ideas for Science Fair projects

Grade 1-6

SCIENCE KITS (Grades K-6)

Science Equipment Kits

These comprehensive kits provide access to the hands-on materials needed for activities and make planning easy and activities manageable.

- Offer different options for various needs and budgets
- Provide replacement lists for easy replenishing each year
- Contains Activity Materials Checklists for easy classroom management

Available in four versions: Deluxe; Demonstration; "Grab 'n Go" Activity Center; Explore and Consumable Replacement

Grade Level Deluxe Equipment Kits

These kits supply all of the materials needed for every activity.

- Lists individual components on storage drawers
- Includes material checklists and replacement order forms
- Houses commonly used items in a single box

Grade-specific kits (K-6)

Grade Level Demonstration Equipment Kits

These kits supply materials needed for small groups or teacher demonstrations.

- Lists individual components on storage drawers
- Includes material checklists and replacement order forms
- Houses commonly used items in a single box

Grade-specific kits (K-6)

"Grab 'n Go" Activity Centers

These kits offer an economical way for teachers to demonstrate each activity in the program.

- Includes "Grab 'n Go" material setup for each activity
- Provides both consumable and non-consumable materials in single bag
- Packaged in rolling carts with a choice of a portable activity closet

Grade-specific kits (K-6)

Explore Activity Equipment Kits

These kits contain materials for the Explore activities.

- Contains non-consumable activity items
- Packaged in plastic bins for easy storage

Grade-specific kits (K-6)

Deluxe Consumable Equipment Kits

These kits offer easy replacement of consumable materials for each grade-level deluxe equipment kit.

- Packaged cost-effectively

Grade-specific kits (K-6)

Classroom Inquiry Tool Kits

The Inquiry Tool Kit includes core science equipment designed to support key science activities.

- Stores easily in convenient one-tub packaging
- Packaged in quantities that support small-group or classroom activity centers
- Contains hand lenses; measuring cups; tape measures; rulers; eye droppers; thermometers; bug viewers; spring scales.

Single kit for Grade K-6

Activity Management System

These plastic containers make distribution of science activity materials quick, easy and efficient.

- Allows for fast distribution and easy clean-up of activity materials
- Reduces teacher preparation time
- Facilitates student involvement in activity preparation

Single kit for Grade K-6; package of 6 containers

TECHNOLOGY

For the Teacher

Science Companion Website

This rich website supports the development of grade level science concepts.

- Contains areas for both teachers, parents and students
- Visit the website at MHEonline.com

Internet-based resource at MHEonline.com

TeacherWorks™ Plus Online Teacher's Editions Available in 6 year or 1 year subscriptions

This website resource provides access to the Teacher's Edition outside of the classroom environment.

- Makes lesson planning from home easier
- Contains links to additional resources for science background and professional development

Grade-specific (K-6); Internet-based resource through the McGraw-Hill Learning Network

TeacherWorks™ Plus CD-ROM

This CD-ROM contains an electronic version of the Teacher's Edition

- Provides a "drag-and-drop" plan book for easy planning
- Includes printable reproductions of core ancillaries and transparencies

Grade-specific (K-6); one CD-ROM per package

Examview® Assessment Suite CD-ROM v6

This CD-ROM provides teachers with customizable student assessments and offers an online test and tracking option.

- Provides immediate feedback and generates multiple reports in various formats.

Grades 1-6

Classroom Presentation Toolkit CD-ROM

This CD-ROM provides a PowerPoint slide presentation for each chapter of the Student Edition.

- Features convenient, customizable slides that make altering lesson presentations easy
- Provides a convenient and fast way to teach each lesson

Grade-specific (1-6); one CD-ROM per package

Science Activity DVD

These video clips model the Explore Activity hands-on lessons so students can observe how the activities are conducted.

- Every lesson begins with this video opportunity
- Includes background building science content information

Grade-specific (1-6); One DVD per package

Science: The Master Teacher Series DVD

This package of professional development DVDs highlights various teaching strategies.

- Supports teacher training for a wide range of classroom setting with set of four DVDs
- Includes a Facilitators Guide to encourage group discussions
- Focuses on management of the activities

Single package; 4 DVDs with Facilitator's Guide

For the Student

Science Companion Website

This rich website supports the development of grade level science concepts.

- Contains areas for both teachers, parents and students
- Visit the website at MHEonline.com

Internet-based resource at MHEonline.com

StudentWorks™ Plus CD-ROM

This CD-ROM provides an electronic version of the Student Edition.

- Allows students and parents to view lesson materials from home without the text
- Reduces backpack weight by allowing at home access to Student Edition

Grade-specific (1-6): one CD-ROM per package

StudentWorks™ Plus Online Student Editions *available in 6 year or 1 year subscriptions*

This Internet resource provides access to the student text outside of the classroom environment.

- Complete reproduction of the Student Edition
- Allows students and parents to view lesson materials from home without the text
- Reduces backpack weight by allowing at home access to the Student Edition

Grade-specific (1-6); Internet-based resource through the MHEonline.com

Student Editions on Audio CD

This full text, audio recording of student edition supports different learning styles.

- Supports students who have difficulty in reading the student edition text
- Supports English Learners who are acquiring English proficiency
- Two voices, one provides page orientation; the other reads the narration

Grade-specific (1-6); each CD package contains multiple discs

Science Songs Audio CD

This music CD provides an introduction to key science concepts with motivating and engaging songs.

- Contains fourteen songs per grade

Grade-specific (K-2); one CD per package

Vocabulary Puzzlemaker CD-ROM

This easy-to-use computer program creates printable and electronic crossword puzzles, word searches, and word jumbles.

- Designed for both teacher and student use
- Utilizes grade level science vocabulary terms
- Provides alternative assessment opportunities

Grade-specific (1-6); one CD-ROM per package

Operation: Science Quest CD-ROM

This problem-based, interactive science simulation helps students apply their understanding of key science concepts.

- Animated characters ‘grow’ with students from year to year as they face new challenges
- Includes built-in assessments of student progress

Grade-specific (1-6); one CD-ROM per package