

Complementary Resources for OpenSciEd*

A Complete Science Learning Solution



Enhance OpenSciEd*
Curriculum with
NewPath Resources
that Clarify Concepts,
Reinforce Learning,
and Support Every
Student!



Shop Online!

Key Features & Benefits of NewPath Learning Science Modules

OpenSciEd* inspires curiosity and discovery through student-driven investigations. NewPath Learning builds on that foundation with ready-to-use, standards-aligned resources designed to clarify complex topics, reinforce key concepts, and make science instruction more accessible to all learners. From visual flip charts and study guides to curriculum games and multimedia lessons, NewPath resources provide the structured support teachers need to help every student succeed in a three-dimensional science classroom, while saving valuable planning time.

Reinforce Core Disciplinary Concepts with Visual Aids:

Flip charts and visual guides make abstract scientific phenomena more accessible and tangible for all learners.

Support Differentiated Instruction for Diverse Learning Styles:

Ideal for English Language Learners (ELLs), students with Individualized Educational Programs (IEPs), and varying reading levels.

Provide Engaging Review and Practice:

Game-based learning and interactive online multimedia lessons enhance content retention and increase student engagement.

Allows for Flexible Implementation:

Use for pre-teaching, review, intervention, learning centers, or independent practice—fully aligned with NGSS.

Fill Instructional Gaps and Offer Scaffolded Pathways:

Designed to support students who need additional scaffolding or alternative routes to mastery.

Save Planning Time:

Ready-to-use, standards-based resources that seamlessly complement OpenSciEd's hands-on, inquiry-driven investigations.



***Disclaimer:** NewPath Learning materials are intended to serve as complementary resources that support and enhance instruction aligned with the OpenSciEd curriculum. These resources are independently developed by NewPath Learning and are not affiliated with, endorsed by, or approved by OpenSciEd or its partners. Any reference to OpenSciEd is for informational and alignment purposes only. All trademarks and curriculum references remain the property of their respective owners.

How Each of the Resources included in NewPath Science Modules Supports OpenSciEd Instruction:

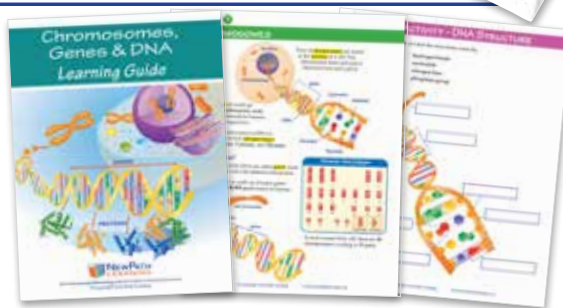
Flip Chart with Visuals

- Serves as a visual anchor for phenomena-based instruction.
- Helps students visualize complex concepts
- Supports modeling and classroom discourse in OpenSciEd units.
- Ideal for ELLs and visual learners.



Student Learning Guide

- Reinforces core disciplinary concepts before, during, or after OpenSciEd lessons.
- Provides structured reading and graphic organizers to scaffold understanding.
- Useful for pre-teaching, small-group intervention, and independent reinforcement.



Vocabulary Flash Card Set

- Builds scientific vocabulary aligned with NGSS and OpenSciEd investigations.
- Supports students' ability to explain phenomena using accurate terminology.
- Can be used in centers, warm-ups, or peer activities.



Curriculum Mastery Game

- Encourages interactive review and checks for understanding.
- Reinforces content after OpenSciEd explorations in a collaborative format.
- Promotes engagement and participation from diverse learners.
- Ideal for formative assessment, station work, and low-stakes review.



Online Multimedia Lesson

- Provides visual, auditory, and interactive reinforcement of key scientific ideas.
- Supports flipped or blended learning environments.
- Ideal for absent students, homework support, or previewing abstract topics.



Hands-On Lab Investigation (included with select modules)

- Helps support the OpenSciEd curriculum by giving students another way to explore and understand science ideas.
- It makes learning more active, engaging, and easier to remember.



GRADE 6

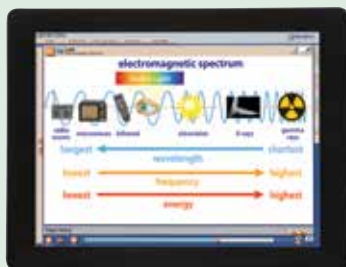
NewPath Learning Complementary Teaching Resources for

OpenSciEd* 6.1: Light and Matter

NewPath *Light and Optics* Science Curriculum Module

Covers:

- EM Spectrum
- Light Transmission
- Light & Color
- Reflection & Mirrors
- Refraction & Lenses
- Human Eye



74-6929 Light & Optics.....\$114.95

Additional Complementary Resources

34-6805 All About Light Poster.....\$20.95

94-4824 All About Light Visual Learning Guide.....\$4.95



NewPath Learning Complementary Teaching Resources for

OpenSciEd* 6.2: Thermal Energy

NewPath *Energy: Forms & Changes* Science Curriculum Module

Covers:

- Potential & Kinetic Energy
- Conservation of Energy
- Energy Forms/Transformation
- Heat & Heat Transfer
- Renewable & Nonrenewable Energy



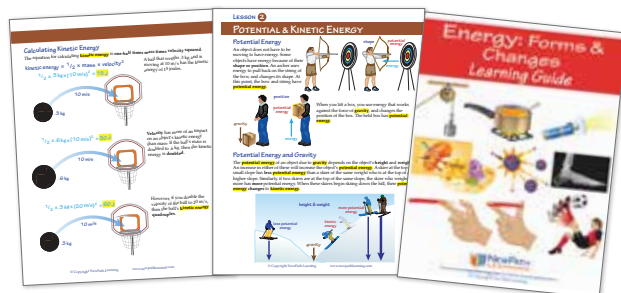
74-6925 Energy: Forms & Changes.....\$114.95



Additional Complementary Resources

94-4419 Force, Motion & Energy Visual Learning Guide..\$4.95

24-6948 Force, Motion & Energy Learning Center.....\$35.95



GRADE 6

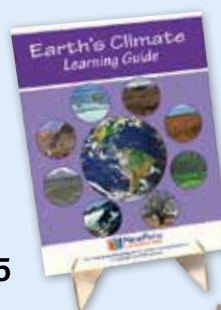
NewPath Learning Complementary Teaching Resources for

OpenSciEd* 6.3: Weather, Climate & Water Cycling

NewPath *Earth's Climate* Science Curriculum Module

Covers:

- Climate & Causes
- Seasons
- Climate Change
- Global Warming
- Climate Zones & Biomes



74-6828 Earth's Climate \$114.95

Additional Complementary Resources

- 24-7810 Climate Change 3-D Model Making Kit.....\$46.95
 94-4418 Weather & Climate Visual Learning Guide.....\$4.95
 24-6947 Weather & Climate Learning Center.....\$35.95
 94-8003 Weather & Climate Bulletin Board Chart Set.....\$14.95



NewPath Learning Complementary Teaching Resources for

OpenSciEd* 6.4: Plate Tectonics & Rock Cycles

NewPath *Plate Tectonics* Science Curriculum Module

Covers:

- Earth's Interior
- Continental Drift
- Heat Transfer & Convection Currents
- Sea-Floor Spreading
- Plate Boundaries

74-6823 Plate Tectonics \$114.95

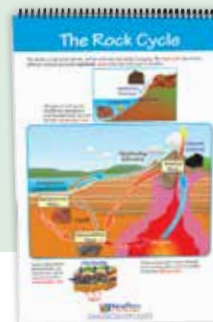


NewPath *All About Rocks* Science Curriculum Module

Covers:

- Classifying Rocks
- The Rock Cycle
- Igneous, Sedimentary & Metamorphic Rocks
- Identifying Rocks
- Uses of Rocks & Minerals

74-6822 All About Rocks \$114.95



Additional Complementary Resources

- 24-7815 Tectonic Plates 3-D Model Making Kit.....\$46.95
 94-4817 Plate Tectonics Visual Learning Guide.....\$4.95
 24-6881 Plate Tectonics Learning Center.....\$35.95
 24-7813 Rock Cycle 3-D Model Making Kit.....\$46.95
 24-6017 Rock Cycle Bingo! Game.....\$41.95
 94-8002 Dynamic Earth Bulletin Board Chart Set.....\$14.95



GRADE 6

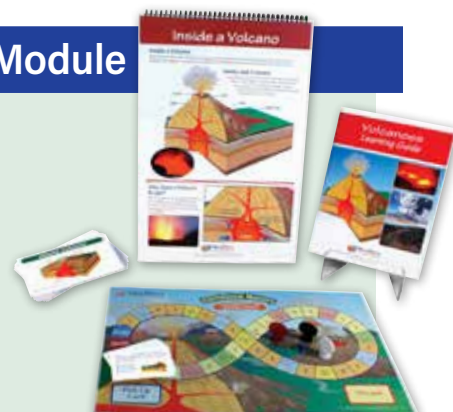
NewPath Learning Complementary Teaching Resources for

OpenSciEd* 6.5: Natural Hazards

NewPath *All About Volcanoes* Science Curriculum Module

Covers:

- Plate Boundaries
- Inside a Volcano
- Volcanic Eruptions
- Volcanic Landforms
- Volcanic Classification & Life Cycle



74-6825 All About Volcanoes..... \$114.95

NewPath *Earthquakes* Science Curriculum Module

Covers:

- How Earthquakes Form
- Measuring Earthquakes
- Earthquake Destruction
- Seismic Waves
- Earthquake Safety

74-6824 Earthquakes \$114.95



Additional Complementary Resources

94-4647 Volcanoes Visual Learning Guide \$4.95
 24-6874 Volcanoes Learning Center, Gr. 6-9 \$35.95
 24-7816 Volcano 3-D Model Making Kit..... \$36.95
 34-6504 Earthquakes Poster, *Laminated* \$20.95
 24-7811 Earthquakes 3-D Model Making Kit..... \$46.95
 24-6876 Earthquakes Learning Center, Gr. 6-9..... \$35.95

NewPath Learning Complementary Teaching Resources for

OpenSciEd* 6.6: Cells & Cell Systems

NewPath *All About Cells* Science Curriculum Module

Covers:

- Cell Structure & Organization
- Plant & Animal Cells
- Single-Cell Organisms
- Cell Function
- Specialized Cells
- **Lab: Stem Cells**

74-6721 All About Cells \$124.95



Additional Complementary Resources

34-6101 Cells Poster, *Laminated* \$20.95
 94-7001 Cells Bulletin Board Chart Set..... \$29.95
 94-4642 Cells: Basic Units of Life Visual Learning Guide... \$4.95
 24-6771 Cells: Basic Units of Life Learning Center..... \$35.95
 24-7729 Simple Animal Cell 3-D Model Making Kit..... \$36.95

GRADE 7

NewPath Learning Complementary Teaching Resources for

OpenSciEd* 7.1: Chemical Reactions & Matter

NewPath *Properties & States of Matter* Science Curriculum Module

Covers:

- What is Matter?
- Changes of State
- Mixtures & Solutions
- Measuring Matter
- Elements & Compounds



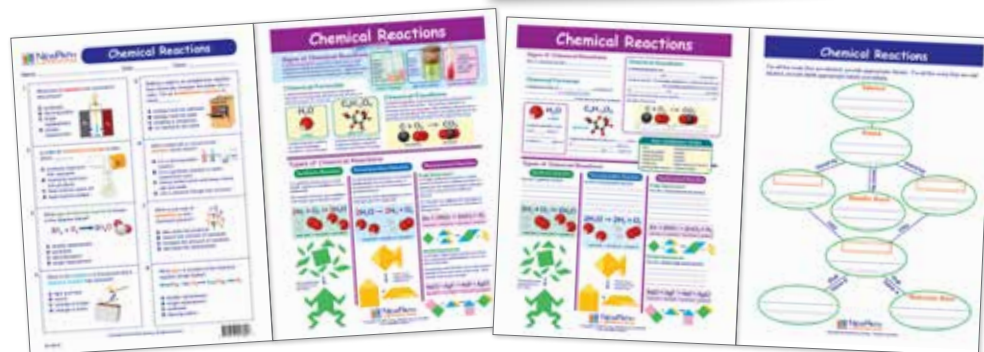
74-6921 Properties & States of Matter\$114.95

Additional Complementary Resources

94-9001 Matter & Interactions Bulletin Board Chart Set.....\$14.95

94-4318 Matter & Its Properties Visual Learning Guide\$4.95

24-6937 Matter & Its Properties Learning Center, Gr. 3-5 ...\$35.95



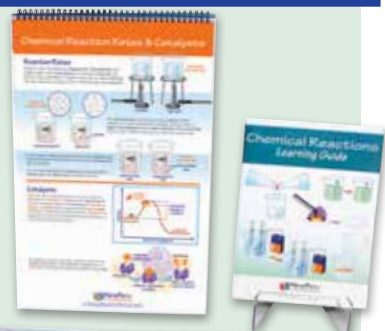
NewPath Learning Complementary Teaching Resources for

OpenSciEd* 7.2: Chemical Reactions & Energy

NewPath *Chemical Reactions* Science Curriculum Module

Covers:

- Changes of Matter
- Chemical Reactions
- Formulas & Equations
- Balancing Equations
- Exothermic & Endothermic Reactions



74-6924 Chemical Reactions\$114.95

Additional Complementary Resources

94-4819 Chemical Reactions Visual Learning Guide.....\$4.95

24-6976 Chemical Reactions Learning Center\$35.95

94-9002 Elements, Mixtures & Compounds Bulletin Board Chart Set...\$19.95



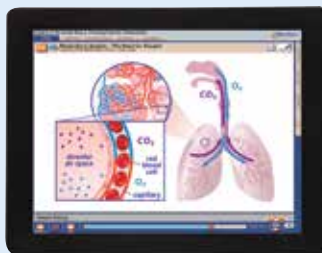
GRADE 7

NewPath Learning Complementary Teaching Resources for OpenSciEd* 7.3: Metabolic Reactions

NewPath *Human Body II: Fuel & Transportation* Science Curriculum Module

Covers:

- Food & Nutrients
- Digestive System
- Respiratory System
- Circulatory System
- Excretory System
- **Lab:** *Kidney Dialysis*



74-6732 Systems of the Human Body II..... \$124.95

Additional Complementary Resources

- 64-6011 Human Body, Gr. 6-10 Visual Learning Guide Set.....\$49.95
 24-7771 Digestive System 3-D Model Making Kit.....\$36.95
 94-4913 Nutrition Visual Learning Guide.....\$4.95



NewPath Learning Complementary Teaching Resources for

OpenSciEd* 7.4: Matter Cycling & Photosynthesis

NewPath *Photosynthesis & Cellular Respiration* Science Curriculum Module

Covers:

- Cell Energy
- Leaf Structure
- Process of Photosynthesis
- Cellular Respiration
- Fermentation
- **Lab:** *Modeling Photosynthesis*



74-6726 Photosynthesis & Respiration..... \$124.95

Additional Complementary Resources

- 34-6105 Photosynthesis & Respiration Poster, *Laminated*.....\$20.95
 94-4811 Photosynthesis & Respiration Visual Learning Guide.....\$4.95
 24-6782 Photosynthesis & Respiration Learning Center, Gr. 6-9... \$35.95
 24-7728 Photosynthesis Light Reactions 3-D Model Making Kit.. \$36.95



NewPath Learning Complementary Teaching Resources for
OpenSciEd* 7.5: Ecosystem Dynamics

NewPath *Food Chains* Science Curriculum Module

Covers:

- Food Webs
- Producers
- Owl Pellets
- Energy Flow
- Consumers
- **Lab: Effects of Mercury**

74-6730 Food Chains \$124.95



Additional Complementary Resources

34-6111 Ecosystems, Food Chains & Webs Poster, *Laminated* \$20.95
 94-4646 Ecosystems, Food Chains & Webs Visual Learning Guide... \$4.95
 24-6775 Ecosystems, Food Chains & Webs Learning Center \$35.95
 94-7007 Ecology Bulletin Board Chart Set \$14.95

NewPath Learning Complementary Teaching Resources for

OpenSciEd* 7.6: Earth's Resources & Human Impact

NewPath *Earth's Surface* Science Curriculum Module

Covers:

- Weathering
- Effects of Water & Glaciers
- Landforms & Topographic Maps
- Soil
- Erosion & Deposition

74-6826 Earth's Surface \$114.95



Additional Complementary Resources

94-4515 Landforms, Rocks & Soil Visual Learning Guide.. \$4.95
 24-6954 Landforms, Rocks & Soil Learning Center..... \$35.95
 94-8004 Earth's Surface Bulletin Board Chart Set..... \$14.95
 94-3503 Earth-Inside & Out Bulletin Board Chart Set..... \$21.95

NewPath *All About Minerals* Science Curriculum Module

Covers:

- Minerals vs. Rocks
- Properties of Minerals
- Identifying & Classifying Minerals
- How Rocks Form
- Mineral Resources & Uses

74-6821 All About Minerals \$114.95



Additional Complementary Resources

24-6015 Mineral Bingo! Game \$41.95
 34-6501 Minerals Poster, *Laminated* \$20.95
 24-7812 Minerals 3-D Model Making Kit \$46.95
 94-4816 Minerals Visual Learning Guide \$4.95
 24-6880 Minerals Learning Center, Gr. 6-9 \$35.95

GRADE 8

NewPath Learning Complementary Teaching Resources for

OpenSciEd* 8.1: Contact Forces

NewPath *Forces & Motion* Science Curriculum Module

Covers:

- Motion – Speed & Velocity
- Force
- Gravity
- Newton's Laws
- Acceleration & Momentum

74-6926 Forces & Motion..... \$114.95

Additional Complementary Resources

34-6801 Forces & Motion Poster, Laminated..... \$20.95

94-4714 Forces & Motion Visual Learning Guide \$4.95

24-6972 Forces & Motion Learning Center, Gr. 6-9 \$35.95

94-9003 Forces & Motion Bulletin Board Chart Set..... \$14.95



NewPath Learning Complementary Teaching Resources for

OpenSciEd* 8.2: Sound Waves

NewPath *All About Sound* Science Curriculum Module

Covers:

- Waves
- Sound Waves
- Wave Length & Frequency
- Aspects & Applications of Sound

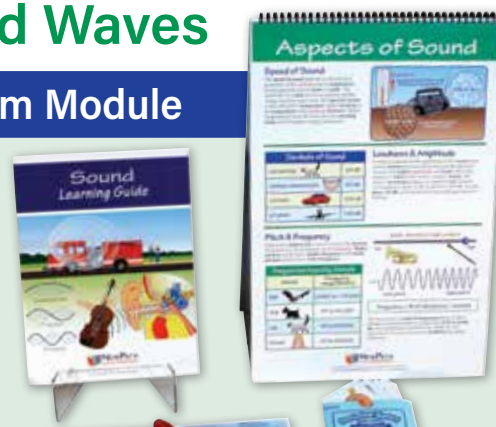
74-6928 All About Sound \$114.95

Additional Complementary Resources

34-6804 Sound Poster, Laminated \$20.95

94-4823 Sound Visual Learning Guide..... \$4.95

24-6980 Sound Learning Center..... \$35.95



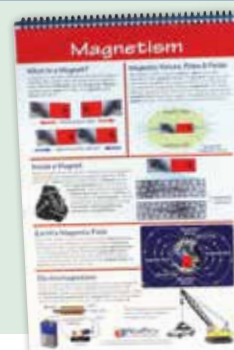
GRADE 8

NewPath Learning Complementary Teaching Resources for OpenSciEd* 8.3: Forces at a Distance

NewPath *Electricity & Magnetism* Science Curriculum Module

Covers:

- Electric Charge
- Current & Resistance
- Batteries
- Magnetism
- Electric Power & Circuits



74-6930 Electricity & Magnetism \$114.95

Additional Complementary Resources

- 94-9004 Electricity & Magnetism Bulletin Board Chart Set..... \$14.95
 94-4420 Electricity & Magnetism Visual Learning Guide..... \$4.95
 24-6949 Electricity & Magnetism Learning Center, Gr. 3-5 \$35.95



NewPath Learning Complementary Teaching Resources for OpenSciEd* 8.4: Earth in Space

NewPath *Our Solar System* Science Curriculum Module

Covers:

- Solar System Formation
- The Sun
- Inner & Outer Planets
- Comets
- Asteroids & Meteors



74-6829 Our Solar System \$114.95

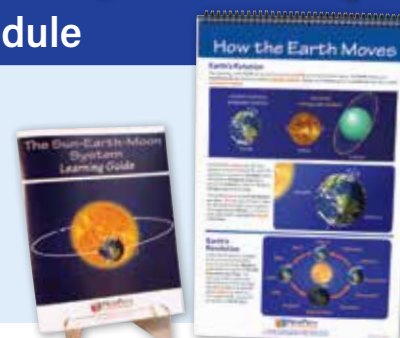


NewPath *Sun-Earth-Moon* Science Curriculum Module

Covers:

- Earth's Movement
- Earth's Moon & Phases
- Hemispheres & Seasons
- Gravity & Motion
- Tides
- Eclipses

74-6830 Sun-Earth-Moon \$114.95



Additional Complementary Resources

- 94-4716 Our Solar System Visual Learning Guide..... \$4.95
 24-6878 Our Solar System Learning Center..... \$35.95
 94-8001 Our Solar System Bulletin Board Chart Set \$14.95
 94-4648 Sun, Earth & Moon Systems Visual Learning Guide..... \$4.95
 24-6875 Sun, Earth, Moon Systems Learning Center, Gr. 6-9..... \$35.95



GRADE 8

NewPath Learning Complementary Teaching Resources for

OpenSciEd* 8.5: Genetics

NewPath *Genetics: The Study of Heredity* Science Curriculum Module

Covers:

- Inheritance of Traits
- Mendel's Experiments
- Phenotypes & Genotypes
- Chromosomes & Karyotyping
- Punnett Squares
- **Lab: Genetic Testing**

74-6728 Genetics..... \$124.95



NewPath *Chromosomes, Genes & DNA* Science Curriculum Module

Covers:

- DNA/RNA Structure
- Translation
- Mutations
- Transcription
- Genetic Code
- **Lab: From DNA to Protein**

74-6727 Chromosomes, Genes & DNA..... \$124.95



Additional Complementary Resources

- 94-4643 Genetics - Study of Heredity Visual Learning Guide.....\$4.95
 34-9702 Genetics & Heredity Poster Set of 4, *Laminated*..... \$39.95
 24-6783 Modern Genetics Learning Center, Gr. 6-9.....\$35.95
 24-7714 Chromosomes 3-D Model Making Kit.....\$36.95
 24-7719 DNA structure 3-D Model Making Kit.....\$36.95
 24-7718 DNA Replication 3-D Model Making Kit\$36.95



NewPath Learning Complementary Teaching Resources for

OpenSciEd* 8.6: Natural Selection & Common Ancestry

NewPath *The Six Kingdoms of Life* Science Curriculum Module

Covers:

- Archaeobacteria/Eubacteria
- Fungi
- Animals
- Protista
- Plants
- **Lab: Dichotomous Keys**

74-6729 The Six Kingdoms of Life \$124.95



Additional Complementary Resources

- 64-6012 Six Kingdoms, Grades 5-9 Visual Learning Guide Set...\$49.95
 24-6950 Six Kingdoms of Life Learning Center, Gr. 3-5\$35.95
 34-6112 Six Kingdoms of Life Poster, *Laminated*.....\$20.95
 94-3502 Six-Kingdoms of Life Bulletin Board Chart Set, Gr. 3-5..\$21.95

