

# Elementary Curriculum

## Grade K

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- Needs of Plants and Animals
- Pushes and Pulls
- Sunlight and Weather

## Grade 3

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- Balancing Forces
- Inheritance and Traits
- Environments and Survival
- Weather and Climate

## Grade 1

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- Animal and Plant Defenses
- Light and Sound
- Spinning Earth

## Grade 4

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- Energy Conversions
- Vision and Light
- Earth's Features
- Waves, Energy, and Information

## Grade 2

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- Plant and Animal Relationships
- Properties of Materials
- Changing Landforms

## Grade 5

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- Patterns of Earth and Sky
- Modeling Matter
- The Earth System
- Ecosystem Restoration



# Middle School Curriculum

Example Sequence\*

## Grade 6

- Launch: Microbiome
- Metabolism
- Engineering Internship: Metabolism
- Traits and Reproduction
- Thermal Energy
- Ocean, Atmosphere, and Climate
- Weather Patterns
- Earth's Changing Climate
- Engineering Internship: Earth's Changing Climate

## Grade 7

- Launch: Geology on Mars
- Plate Motion
- Engineering Internship: Plate Motion
- Rock Transformations
- Phase Change
- Engineering Internship: Phase Change
- Chemical Reactions
- Populations and Resources
- Matter and Energy in Ecosystems

## Grade 8

- Launch: Harnessing Human Energy
- Force and Motion
- Engineering Internship: Force and Motion
- Magnetic Fields
- Light Waves
- Earth, Moon, and Sun
- Natural Selection
- Engineering Internship: Natural Selection
- Evolutionary History

Amplify Science

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