

# 2026 Grade 7 Summer Work

- Complete a Claim-Evidence-Reasoning (CER) template activity every week using Newsela articles (Link: [Newsela CER activities](#))
- Grade 7 Summer School Focus:
  - **Waves and Information**
    - Newsela STEM: [CER: What is the relationship between the frequency, wavelength, and speed of a wave?](#)
    - **Generation Genius:** Wave Reflection, Absorption + Transmittance
    - **Generation Genius:** Digital + Analog Signals
    - [MS-PS4-1: Wave Properties](#)
    - [MS-PS4-2: Wave Reflection, Absorption, and Transmission](#)
    - [MS-PS4-3: Digitized Wave Signals](#)
  - **Earth's Systems**
    - Newsela STEM: [CER: How do changes in energy flow through Earth's systems impact our climate?](#)
    - **Generation Genius:** Water Cycle
    - **Generation Genius:** Air Masses + Weather Fronts
    - **Generation Genius:** Climate Zones + Ocean Currents
    - [MS-ESS2-1: Cycling of Earth's Materials](#)
    - [MS-ESS2-4: Cycling of Water Through Earth's Systems](#)
    - [MS-ESS3-1: Uneven Distribution of Earth's Resources](#)
    - [MS-ESS2-5: Interacting Air Masses and Weather](#)
    - [MS-ESS2-6: Atmospheric and Oceanic Circulation](#)
  - **Structure, Function, and Information Processing**
    - Newsela STEM: [Cells and the versatile functions of their parts](#)
    - Newsela STEM: [CER: How can you tell whether something is living or non-living?](#)
    - **Generation Genius:** Plants + Animal Cells
    - [MS-LS1-1: Cell Theory](#)
    - [MS-LS1-2: Cell Parts and Function](#)
  - **Matter and Energy in Organisms and Ecosystems**
    - Newsela STEM: [Consume or be consumed: breaking down the structure of a food web](#)
    - **Generation Genius:** Food Webs: Cycling of Matter + Flow of Energy
    - [MS-LS2-4: Ecosystem Interactions and Dynamic](#)
  - **Interdependent Relationships in Ecosystems**
    - Newsela STEM: [Keystone species](#)
    - **Generation Genius:** Competition in Ecosystems
    - [MS-LS2-2: Interdependent Relationships in Ecosystems](#)
  - **Growth, Development, and Reproduction**

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- Newsela STEM: [CER: How do certain animal behaviors and plant structures ensure successful reproduction?](#)
- Newsela STEM: [CER: How is an organism's growth affected by both the environment and genetics?](#)
- **Generation Genius:** Genes + Mutations
- [MS-LS1-4: Animal Behaviors and Plant Structures - Reproductive Success](#)
- [MS-LS1-5: Environmental and Genetic Growth Factors](#)
- [MS-LS4-5: Artificial Selection](#)
  
- **Natural Selection**
  - Newsela STEM: [CER: What can fossils teach us about organisms throughout history?](#)
  - **Generation Genius:** Natural Selection
  - [Generation Genius: The Fossil Record](#)
  - [MS-LS4-1: Fossil Evidence of Common Ancestry and Diversity](#)
  - [MS-LS4-2: Anatomical Evidence of Evolutionary Relationships](#)
  
- **History of Earth**
  - Newsela STEM: [CER: How do we know Earth's geological history?](#)
  - **Generation Genius:**
  - [MS-ESS1-4: Geologic Time Scale](#)
  
- **Weather and Climate**
  - Newsela STEM: [CER: What major factors determine a region's climate?](#)
  - **Generation Genius:** Intro to Climate Change
  - [MS-ESS3-5: Causes of Global Warming](#)
  
- **Human Impacts**
  - Newsela STEM: [CER: What can be done to monitor and minimize negative human impact on the environment?](#)
  - **Generation Genius:** Human Impacts on the Environment
  - [MS-ESS3-2: Natural Hazards](#)
  - [MS-ESS3-3: Human Impact on the Environment](#)
  - [MS-ESS3-4: Human Consumption of Natural Resources](#)