Cornwall Islamic Foundation

Grade 5 Science, Math & English Curriculum Topics — November 2026

Grade 5 Science topics

A. Science practices and tools

1. Identify steps of the scientific method
2. Identify laboratory tools
3. Laboratory safety equipment

B. Designing experiments

1. Identify control and experimental groups
2. Identify independent and dependent variables
3. Identify the experimental question
4. Identify questions that can be investigated with a set of materials

C. Properties of matter

1. Identify and sort solids, liquids, and gases
2. Particles of matter (New!)
3. Identify mixtures
4. Calculate density
5. Understand conservation of matter using graphs

D. Physical and chemical changes

1. Change-of-state diagrams: melting, freezing, evaporating and condensing
2. Change-of-state diagrams: melting, freezing, evaporating, condensing and sublimating
3. Heating, cooling and changes of state
4. Compare physical and chemical changes
5. Identify reactants and products

E. Energy

1. Energy transformation
2. Explore energy transformations: bike ride

3. Use tables and graphs to identify patterns about kinetic energy
4. Explore energy transformations: roller coaster ride

F. Heat and thermal energy

1. Particle motion and changes of state
2. Predict heat flow
3. Predict temperature changes
4. How are temperature and mass related to thermal energy?

G. Light

1. How does light travel and interact with matter?

H. Electricity

1. Electric circuits
2. Conductors and insulators

I. Force and motion

1. Identify directions of forces
2. How do balanced and unbalanced forces affect motion?
3. How does mass affect force and acceleration?

J. Body systems

1. Human organs and their functions
2. Body systems: circulation and respiration
3. Body systems: digestion
4. Body systems: removing waste
5. Body systems: perception and motion

K. Adaptations

1. Animal adaptations: beaks, mouths and necks
2. Animal adaptations: feet and limbs
3. Animal adaptations: skins and body coverings

L. Conservation and natural resources

1. Science literacy: how can a community protect sea turtles?
2. Petroleum formation and distribution on Earth (New!)
3. Evaluate natural energy sources

M. Rocks

1. Identify rocks and minerals
2. How do sedimentary rocks form?
3. Classify rocks as igneous, sedimentary or metamorphic
4. How do rock layers form?
5. Label parts of rock cycle diagrams
6. Select parts of rock cycle diagrams

N. Weather and climate

1. Collect and graph temperature data
2. What's the difference between weather and climate?
3. Weather and climate around the world
4. Weather or climate? Cite text
5. Use climate data to make predictions
6. Use data to describe climates

O. Earth's features

1. Identify Earth's land features using photographs
2. Identify Earth's land features using satellite images

P. Astronomy

1. Shadows
2. Earth's rotation and orbit
3. Day and night
4. Brightness of the Sun and other stars
5. Constellations and the changing night sky
6. Identify phases of the Moon
7. Solar eclipses
8. Identify the planets in the solar system
9. Identify constellations

Q. Engineering practices

1. Evaluate multiple design solutions to prevent flooding
2. Identify the best design solution to prevent hurricane damage

R. Units and measurement

1. Choose units of mass
2. Choose units of volume
3. Abbreviate mass, volume and temperature units