# GRADE 6 SCIENCE | YEAR AT A GLANCE

2026–2027 • LUISA DESSUS CRUZ MS 302 • WARRIORS

**AMPLIFY SCIENCE • INVESTIGATE • MODEL • EXPLAIN**




## UNIT 1 Energy

**START: Sep 22, 2026 END: Oct 5, 2026**

**END-OF-UNIT ASSESSMENT: Oct 5, 2026**

Investigate energy transfer and how objects gain or lose energy.

**ESSENTIAL QUESTION**

How does energy move through systems?

## UNIT 2 Thermal Energy

**START: Oct 6, 2026 END: Oct 30, 2026**

**END-OF-UNIT ASSESSMENT: Oct 30, 2026**

Model temperature change and energy transfer between objects.

**ESSENTIAL QUESTION**

Why do objects warm up or cool down?

## UNIT 3 Populations and Resources

**START: Nov 16, 2026 END: Dec 10, 2026**

**END-OF-UNIT ASSESSMENT: Dec 10, 2026**

Explore how organisms depend on resources in ecosystems.

**ESSENTIAL QUESTION**

How do resources affect populations?

## UNIT 4 Matter and Energy in Ecosystems

**START: Dec 11, 2026 END: Jan 13, 2027**

**END-OF-UNIT ASSESSMENT: Jan 13, 2027**

Trace matter and energy through living systems.

**ESSENTIAL QUESTION**

How do matter and energy move through ecosystems?

## UNIT 5 Weather Patterns

**START: Jan 20, 2027 END: Mar 2, 2027**

**END-OF-UNIT ASSESSMENT: Mar 2, 2027**

Analyze weather data and explain atmospheric patterns.

**ESSENTIAL QUESTION**

What causes weather patterns?

## UNIT 6 Ocean, Atmosphere and Climate

**START: Mar 15, 2027 END: Apr 6, 2027**

**END-OF-UNIT ASSESSMENT: Apr 6, 2027**

Explore interactions between oceans, air and climate.

**ESSENTIAL QUESTION**

How do oceans and air shape climate?

## UNIT 7 Earth’s Changing Climate

**START: May 3, 2027 END: May 28, 2027**

**END-OF-UNIT ASSESSMENT: May 28, 2027**

Use evidence to investigate past and present climate change.

**ESSENTIAL QUESTION**

How can evidence help us explain climate change?

## HOW FAMILIES CAN SUPPORT LEARNING

Ask your child to explain a scientific claim using evidence from investigations and models.

Dates are transcribed from the prior dated draft; inferred assessment dates should be checked against the original school pacing calendars before distribution.

# GRADE 7 SCIENCE | YEAR AT A GLANCE

2026–2027 • LUISA DESSUS CRUZ MS 302 • WARRIORS

**AMPLIFY SCIENCE • INVESTIGATE • MODEL • EXPLAIN**




## UNIT 1 Microbiome

**START: Sep 22, 2026 END: Oct 8, 2026**

**END-OF-UNIT ASSESSMENT: Oct 8, 2026**

Investigate microorganisms and their effects on human health.

**ESSENTIAL QUESTION**

How can tiny organisms affect larger systems?

## UNIT 2 Metabolism

**START: Oct 19, 2026 END: Nov 11, 2026**

**END-OF-UNIT ASSESSMENT: Nov 11, 2026**

Model how body systems work together to provide energy.

**ESSENTIAL QUESTION**

How does the body obtain and use energy?

## UNIT 3 Phase Change

**START: Nov 13, 2026 END: Dec 8, 2026**

**END-OF-UNIT ASSESSMENT: Dec 8, 2026**

Use particle models to explain changes of state.

**ESSENTIAL QUESTION**

What happens to matter during a phase change?

## UNIT 4 Chemical Reactions

**START: Dec 9, 2026 END: Jan 14, 2027**

**END-OF-UNIT ASSESSMENT: Jan 14, 2027**

Investigate evidence of reactions and conservation of matter.

**ESSENTIAL QUESTION**

How can we tell when a chemical reaction occurs? FOCUS • All Mixed Up FEB • PACING WINDOW Apply evidence and reasoning in a chemical-property investigation. ESSENTIAL QUESTION How can evidence identify

## UNIT 5 Plate Motion

**START: Feb 22, 2027 END: Mar 19, 2027**

**END-OF-UNIT ASSESSMENT: Mar 19, 2027**

Analyze evidence for the movement of Earth’s plates.

**ESSENTIAL QUESTION**

How does plate motion change Earth’s surface?

## UNIT 6 Rock Transformations

**START: Mar 22, 2027 END: Apr 20, 2027**

**END-OF-UNIT ASSESSMENT: Apr 20, 2027**

Model how rocks change through geological processes.

**ESSENTIAL QUESTION**

How do rocks transform over time? FOCUS • Earth’s Engineering Internship MAY–JUN • PACING WINDOW Apply Earth science ideas to an engineering challenge. ESSENTIAL QUESTION How can science inform design

## HOW FAMILIES CAN SUPPORT LEARNING

Ask your child to explain a scientific claim using evidence from investigations and models.

Dates are transcribed from the prior dated draft; inferred assessment dates should be checked against the original school pacing calendars before distribution.

# GRADE 8 SCIENCE | YEAR AT A GLANCE

2026–2027 • LUISA DESSUS CRUZ MS 302 • WARRIORS

**AMPLIFY SCIENCE • INVESTIGATE • MODEL • EXPLAIN**




## UNIT 2 Earth, Moon and Sun

**START: Sep 23, 2026 END: Oct 12, 2026**

**END-OF-UNIT ASSESSMENT: Oct 12, 2026**

Model moon phases, orbits and eclipses.

**ESSENTIAL QUESTION**

How do positions and motion create sky patterns?

## UNIT 3 Force and Motion

**START: Oct 13, 2026 END: Nov 6, 2026**

**END-OF-UNIT ASSESSMENT: Nov 6, 2026**

Investigate how forces change motion and affect collisions.

**ESSENTIAL QUESTION**

How do forces change an object’s motion?

## UNIT 4 Magnetic Fields

**START: Nov 9, 2026 END: Dec 9, 2026**

**END-OF-UNIT ASSESSMENT: Dec 9, 2026**

Use evidence and models to explain magnetic interactions.

**ESSENTIAL QUESTION**

How can objects interact without touching?

## UNIT 5 Light Waves

**START: Dec 10, 2026 END: Dec 10, 2026**

**END-OF-UNIT ASSESSMENT: Dec 10, 2026**

Investigate how light travels and interacts with materials.

**ESSENTIAL QUESTION**

How does light help us see?

## UNIT 6 Traits and Reproduction

**START: Jan 14, 2027 END: Jan 14, 2027**

**END-OF-UNIT ASSESSMENT: Jan 14, 2027**

Explore inherited traits and variation among offspring.

**ESSENTIAL QUESTION**

Why do offspring resemble—but differ from—parents?

## UNIT 7 Natural Selection

**START: Feb 24, 2027 END: Mar 22, 2027**

**END-OF-UNIT ASSESSMENT: Mar 22, 2027**

Use evidence to explain how populations change over generations.

**ESSENTIAL QUESTION**

How do traits become more common over time?

## UNIT 8 Evolutionary History

**START: Mar 23, 2027 END: Apr 21, 2027**

**END-OF-UNIT ASSESSMENT: Apr 21, 2027**

Examine evidence for common ancestry and evolutionary change.

**ESSENTIAL QUESTION**

What can fossils and other evidence tell us about life’s history? FOCUS • State science exam preparation MAY–JUN • PACING WINDOW Revisit core concepts and practice scientific explanations. ESSENTIAL QUESTION

## HOW FAMILIES CAN SUPPORT LEARNING

Ask your child to explain a scientific claim using evidence from investigations and models.

Dates are transcribed from the prior dated draft; inferred assessment dates should be checked against the original school pacing calendars before distribution.