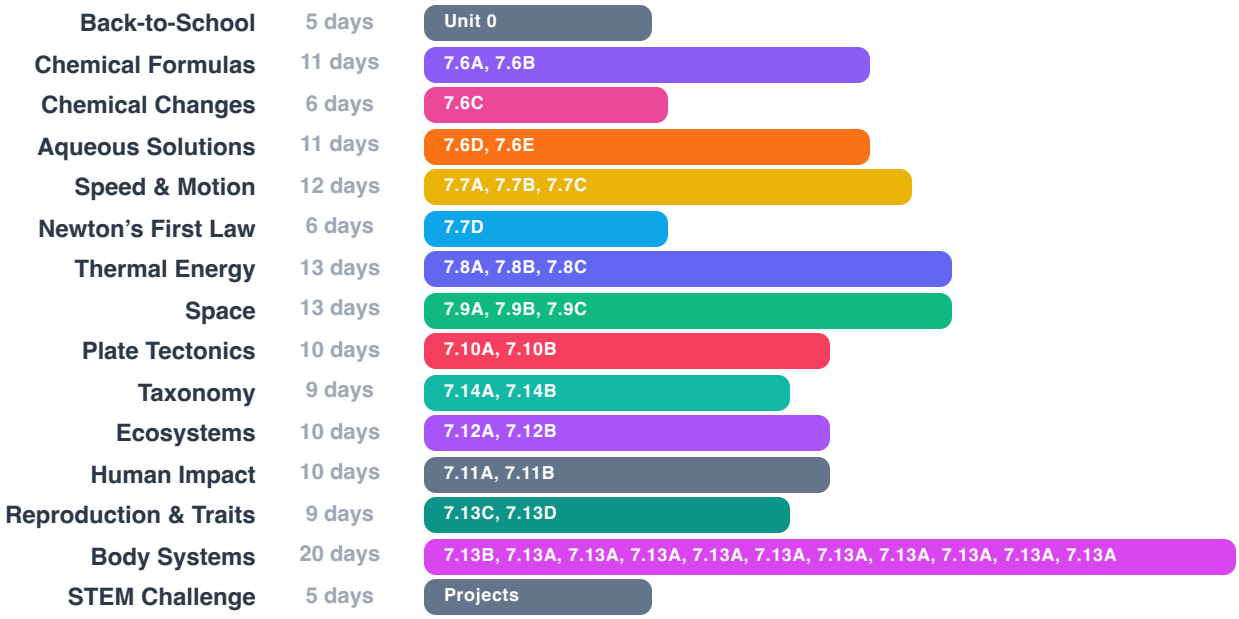
NEW TEKS ALIGNED

7th Grade Science Scope & Sequence

keslerscience.com/texas

150 school days • 14 units • 27 TEKS standards



A Note from Chris

Before you jump into the calendar, a couple of things from me.

This guide is built around 150 instructional days, not the 175 sitting on your contract. You and I both know how many of those days quietly disappear. STAAR windows, benchmark testing, pep rallies, picture day, the fire drill that swallows your whole third period. I left that cushion on purpose so you're not cramming three units into the last two weeks of May.

The order isn't random. We open with chemistry while everybody's still fresh, roll through motion, forces, and thermal energy, head out to space and plate tectonics, then spend the back half of the year on living things, from taxonomy and ecosystems to the human body. Seventh grade covers a lot of ground, so each unit is built to hand off to the next.

And you know your kids and your campus calendar way better than I ever will. If your district teaches ecosystems in the fall, move it there. If body systems fits better earlier, go for it. Treat this like a roadmap. You're still the one driving.

Let's go have a great year.

ACTIVITY TYPE KEY (USED IN DAY-BY-DAY TABLES)

Engagement | Station Lab | Presentation + INB | Inquiry Lab | Assessment | Amazing Anchors | Reading | Writing Prompt | WIKI Ticket | Escape Room | Student Choice | Project

0 Back-to-School

5 days Foundation skills & classroom routines

Spend the first week building the habits that make the rest of the year run smoothly — lab safety, measurement, graphing, the scientific method, and the engineering design process. Pull any combination of the resources below from the Beginning of the Year collection to fit your campus schedule.

BEGINNING-OF-THE-YEAR RESOURCES

- **Back to School Escape Room**
- **Lab Safety Station Lab**
- **Lab Safety Escape Room**
- **Graphing Station Lab**
- **Graphing Escape Room**
- **Measurement Station Lab**
- **Measurement Escape Room**
- **Scientific Method Station Lab**
- **Scientific Method Escape Room**
- **Engineering Design Station Lab**
- **Engineering Design Escape Room**

1 Chemical Formulas

11 days 2 standards: 7.6A, 7.6B

CONTENT STANDARDS

TEKS 7.6A
Compare and contrast elements and compounds in terms of atoms and molecules, chemical symbols, and chemical formulas

TEKS 7.6B
Use the periodic table to identify the atoms and the number of each kind within a chemical formula

KEY VOCABULARY

matter	elements
chemical symbol	periodic table
compounds	chemical formulas
molecules	atom
coefficients	subscripts

SUGGESTED RECURRING THEMES

7.5C Use scale, proportion, and quantity to compare or model systems

7.5E Analyze how energy flows and matter cycles through systems

SUGGESTED SCIENCE & ENGINEERING PRACTICES

7.1G Develop and use models to represent phenomena and systems

7.2A Identify advantages and limitations of models

7.4B Make informed decisions by evaluating evidence from multiple sources

DAY-BY-DAY PACING

MON	TUE	WED	THU	FRI
Day 1 **Elements & Compounds** AMAZING ANCHORS PT 1 INQUIRY LAB	Day 2 **Elements & Compounds** INQUIRY LAB	Day 3 **Compare Elements & Compounds** PRESENTATION + INB **Elements & Compounds** WIKI TICKET	Day 4 **Elements & Compounds** WRITING PROMPT AMAZING ANCHORS PT 2	Day 5 **Compare Elements & Compounds** ASSESSMENT
Day 6 **Atoms & Chemical Formulas** ENGAGEMENT STATION LAB (INPUT)	Day 7 **Atoms & Chemical Formulas** STATION LAB (OUTPUT)	Day 8 **Atoms & Chemical Formulas** PRESENTATION + INB	Day 9 **Atoms & Chemical Formulas** PRESENTATION + INB **Counting Atoms & Elements** WIKI TICKET	Day 10 **Counting Atoms & Elements** READING COMPREHENSION
Day 11 **Atoms & Chemical Formulas** ASSESSMENT				

2 Chemical Changes

6 days 1 standard: 7.6C

CONTENT STANDARDS

TEKS 7.6C
Distinguish between physical and chemical changes in matter

KEY VOCABULARY

physical change, chemical change, precipitate

SUGGESTED RECURRING THEMES

7.5E Analyze how energy flows and matter cycles through systems

SUGGESTED SCIENCE & ENGINEERING PRACTICES

7.2D Evaluate experimental and engineering designs

7.3C Engage respectfully in scientific argumentation using evidence

7.4C Research resources to investigate STEM careers

DAY-BY-DAY PACING

MON	TUE	WED	THU	FRI
Day 1 **Physical & Chemical Changes** AMAZING ANCHORS PT 1 **Changes in Matter** STATION LAB (INPUT)	Day 2 **Changes in Matter** STATION LAB (OUTPUT)	Day 3 **Changes in Matter** PRESENTATION + INB **Physical & Chemical Changes** WIKI TICKET	Day 4 **Changes in Matter** INQUIRY LAB	Day 5 **Changes in Matter** INQUIRY LAB **Physical & Chemical Changes** AMAZING ANCHORS PT 2
Day 6 **Changes in Matter** ASSESSMENT				

3 Aqueous Solutions

11 days 2 standards: 7.6D, 7.6E

CONTENT STANDARDS

TEKS 7.6D
Describe aqueous solutions in terms of solute and solvent, concentration, and dilution

TEKS 7.6E
Investigate and model how temperature, surface area, and agitation affect the rate of dissolution of solid solutes in aqueous solutions

KEY VOCABULARY

aqueous solution	solute
solvent	dissolve
concentration	saturation
dilution	surface area
temperature	agitation

SUGGESTED RECURRING THEMES

7.5A Identify and apply patterns to explain phenomena or design solutions

7.5C Use scale, proportion, and quantity to compare or model systems

SUGGESTED SCIENCE & ENGINEERING PRACTICES

7.1E Collect quantitative (SI units) and qualitative data as evidence

7.2D Evaluate experimental and engineering designs

7.3A Develop explanations and propose solutions supported by data and models

DAY-BY-DAY PACING

MON	TUE	WED	THU	FRI
Day 1 **Aqueous Solutions** ENGAGEMENT STATION LAB (INPUT)	Day 2 **Aqueous Solutions** STATION LAB (OUTPUT)	Day 3 **Aqueous Solutions** PRESENTATION + INB	Day 4 **Aqueous Solutions** STUDENT CHOICE	Day 5 **Aqueous Solutions** STUDENT CHOICE
Day 6 **Aqueous Solutions** STUDENT CHOICE	Day 7 **Aqueous Solutions** ASSESSMENT **Rate of Dissolution** ENGAGEMENT	Day 8 **Rate of Dissolution** STATION LAB (INPUT)	Day 9 **Rate of Dissolution** STATION LAB (OUTPUT)	Day 10 **Rate of Dissolution** PRESENTATION + INB
Day 11 **Rate of Dissolution** ASSESSMENT				

4 Speed & Motion

12 days 3 standards: 7.7A, 7.7B, 7.7C

CONTENT STANDARDS

TEKS 7.7A
Calculate average speed using distance and time measurements from investigations

TEKS 7.7B
Distinguish between speed and velocity in linear motion in terms of distance, displacement, and direction

TEKS 7.7C
Measure, record, and interpret an object's motion using distance-time graphs

KEY VOCABULARY

average speed	speed
distance	time
motion	direction
displacement	velocity
dependent variable	independent variable
x-axis	y-axis
accelerate	

SUGGESTED RECURRING THEMES

7.5G Explain how factors or conditions impact stability and change
7.5C Use scale, proportion, and quantity to compare or model systems

SUGGESTED SCIENCE & ENGINEERING PRACTICES

7.1E Collect quantitative (SI units) and qualitative data as evidence
7.2B Analyze data by identifying patterns, features, and sources of error
7.2C Use mathematical calculations to assess quantitative relationships

DAY-BY-DAY PACING

MON	TUE	WED	THU	FRI
Day 1 **Average Speed** AMAZING ANCHORS PT 1 **Calculating Average Speed** INQUIRY LAB	Day 2 **Calculating Average Speed** INQUIRY LAB PRESENTATION + INB	Day 3 **Calculating Average Speed** PRESENTATION + INB **Average Speed** WIKI TICKET	Day 4 **Average Speed** AMAZING ANCHORS PT 2 **Calculating Average Speed** ASSESSMENT	Day 5 **Speed & Velocity** ENGAGEMENT STATION LAB (INPUT)
Day 6 **Speed & Velocity** STATION LAB (OUTPUT)	Day 7 **Speed & Velocity** PRESENTATION + INB	Day 8 **Motion Graphing** AMAZING ANCHORS PT 1 **Speed & Velocity** ASSESSMENT	Day 9 **Distance-Time Graphs** INQUIRY LAB	Day 10 **Distance-Time Graphs** PRESENTATION + INB **Motion Graphing** WIKI TICKET
Day 11 **Motion Graphing** WRITING PROMPT AMAZING ANCHORS PT 2	Day 12 **Distance-Time Graphs** ASSESSMENT			

5 Newton’s First Law

6 days 1 standard: 7.7D

CONTENT STANDARDS

TEKS 7.7D
Analyze the effect of balanced and unbalanced forces on the state of motion of an object using Newton's First Law of Motion

KEY VOCABULARY

- motion
- force
- net force
- vector
- balanced
- unbalanced
- equilibrium
- Newton’s first law of motion
- inertia

SUGGESTED RECURRING THEMES

7.5G Explain how factors or conditions impact stability and change

SUGGESTED SCIENCE & ENGINEERING PRACTICES

7.1B Plan and conduct descriptive, comparative, and experimental investigations
7.2G Develop and use models to represent phenomena and systems
7.3C Engage respectfully in scientific argumentation using evidence

DAY-BY-DAY PACING

MON	TUE	WED	THU	FRI
Day 1 **Newton's First Law of Motion** ENGAGEMENT **Newton's First Law** INQUIRY LAB	Day 2 **Newton's First Law** INQUIRY LAB	Day 3 **Newton's First Law of Motion** PRESENTATION + INB	Day 4 **Newton's First Law of Motion** PRESENTATION + INB **Newton's First Law** WIKI TICKET	Day 5 **Newton's First Law** READING COMPREHENSION
Day 6 **Newton's First Law of Motion** ASSESSMENT				

6 Thermal Energy

13 days 3 standards: 7.8A, 7.8B, 7.8C

CONTENT STANDARDS

TEKS 7.8A
Investigate methods of thermal energy transfer into and out of systems, including conduction, convection, and radiation

TEKS 7.8B
Investigate how thermal energy moves in a predictable pattern from warmer to cooler until all substances within the system reach thermal equilibrium

TEKS 7.8C
Explain the relationship between temperature and the kinetic energy of the particles within a substance

KEY VOCABULARY

- thermal energy
- conduction
- convection
- radiation
- heat
- thermal equilibrium
- thermometer
- kinetic energy
- particles
- absolute zero
- temperature
- expand
- contract

SUGGESTED RECURRING THEMES

7.5A Identify and apply patterns to explain phenomena or design solutions

7.5E Analyze how energy flows and matter cycles through systems

SUGGESTED SCIENCE & ENGINEERING PRACTICES

7.1B Plan and conduct descriptive, comparative, and experimental investigations

7.2G Develop and use models to represent phenomena and systems

7.3A Develop explanations and propose solutions supported by data and models

DAY-BY-DAY PACING

MON	TUE	WED	THU	FRI
Day 1 **Thermal Energy in Systems** ENGAGEMENT **Conduction, Convection, & Radiation** INQUIRY LAB	Day 2 **Conduction, Convection, & Radiation** INQUIRY LAB	Day 3 **Thermal Energy in Systems** PRESENTATION + INB **Conduction, Convection, & Radiation** WIKI TICKET	Day 4 **Conduction, Convection, & Radiation** ESCAPE ROOM	Day 5 **Thermal Energy in Systems** ASSESSMENT **Investigating Thermal Energy** AMAZING ANCHORS PT 1
Day 6 **Investigating Thermal Energy** INQUIRY LAB	Day 7 **Thermal Equilibrium** PRESENTATION + INB **Investigating Thermal Energy** WIKI TICKET	Day 8 **Investigating Thermal Energy** WRITING PROMPT AMAZING ANCHORS PT 2	Day 9 **Thermal Equilibrium** ASSESSMENT	Day 10 **Temperature & Kinetic Energy** ENGAGEMENT STATION LAB (INPUT)
Day 11 **Temperature & Kinetic Energy** STATION LAB (OUTPUT)	Day 12 **Temperature & Kinetic Energy** PRESENTATION + INB	Day 13 **Temperature & Kinetic Energy** ASSESSMENT		

7 Space

13 days 3 standards: 7.9A, 7.9B, 7.9C

CONTENT STANDARDS

TEKS 7.9A
Describe the physical properties, locations, and movements of the Sun, planets, moons, meteors, asteroids, comets, Kuiper belt, and Oort cloud

TEKS 7.9B
Describe how gravity governs motion within Earth's solar system

TEKS 7.9C
Analyze the characteristics of Earth that allow life to exist such as the proximity of the Sun, presence of water, and composition of the atmosphere

KEY VOCABULARY

solar system	planet
astronomical unit	asteroid
comet	meteor
Kuiper belt	Oort cloud
gravity	mass
law of universal gravitation	weight
inertia	orbit
rotate	habitable zone
atmosphere	insulate
proximity	

SUGGESTED RECURRING THEMES

7.5C Use scale, proportion, and quantity to compare or model systems

7.5C Use scale, proportion, and quantity to compare or model systems

SUGGESTED SCIENCE & ENGINEERING PRACTICES

7.1A Ask questions and define problems based on observations

7.2B Analyze data by identifying patterns, features, and sources of error

7.3A Develop explanations and propose solutions supported by data and models

DAY-BY-DAY PACING

MON	TUE	WED	THU	FRI
Day 1 **Objects in the Solar System** ENGAGEMENT STATION LAB (INPUT)	Day 2 **Objects in the Solar System** STATION LAB (OUTPUT)	Day 3 **Objects in the Solar System** PRESENTATION + INB	Day 4 **Objects in the Solar System** PRESENTATION + INB **Objects in Space** WIKI TICKET	Day 5 **Planets** ESCAPE ROOM
Day 6 **Objects in the Solar System** ASSESSMENT **Gravity & Motion in Space** ENGAGEMENT	Day 7 **Gravity** INQUIRY LAB	Day 8 **Gravity & Motion in Space** PRESENTATION + INB **Gravity** WIKI TICKET	Day 9 **Gravity & Motion in Space** ASSESSMENT	Day 10 **Conditions for Life to Exist** AMAZING ANCHORS PT 1 INQUIRY LAB
Day 11 **Conditions for Life to Exist** INQUIRY LAB	Day 12 **Life on Earth** PRESENTATION + INB	Day 13 **Conditions for Life to Exist** AMAZING ANCHORS PT 2 WIKI TICKET		

8 Plate Tectonics

10 days 2 standards: 7.10A, 7.10B

CONTENT STANDARDS

TEKS 7.10A
Describe the evidence that supports that Earth has changed over time, including fossil evidence, plate tectonics, and superposition

TEKS 7.10B
Describe how plate tectonics causes ocean basin formation, earthquakes, mountain building, and volcanic eruptions, including supervolcanoes and hot spots

KEY VOCABULARY

Pangea	tectonic plates
divergent boundary	convergent boundary
transform boundary	continental crust
oceanic crust	subduction zone
seafloor spreading	mid-ocean ridges
ocean basin (trench)	fossil record
law of superposition	relative dating
index fossils	

SUGGESTED RECURRING THEMES

7.5G Explain how factors or conditions impact stability and change

SUGGESTED SCIENCE & ENGINEERING PRACTICES

7.1A Ask questions and define problems based on observations

7.2B Analyze data by identifying patterns, features, and sources of error

7.3C Engage respectfully in scientific argumentation using evidence

DAY-BY-DAY PACING

MON	TUE	WED	THU	FRI
Day 1 **Evidence of Changes Over Time** ENGAGEMENT STATION LAB (INPUT)	Day 2 **Evidence of Changes Over Time** STATION LAB (OUTPUT)	Day 3 **Evidence of Changes Over Time** PRESENTATION + INB	Day 4 **Evidence of Changes Over Time** PRESENTATION + INB **Continental Drift** WIKI TICKET	Day 5 **Evidence of Changes Over Time** ASSESSMENT
Day 6 **Formation of Crustal Features** AMAZING ANCHORS PT 1 INQUIRY LAB	Day 7 **Tectonics & Geological Events** PRESENTATION + INB	Day 8 **Tectonics & Geological Events** PRESENTATION + INB **Formation of Crustal Features** WIKI TICKET	Day 9 **Formation of Crustal Features** WRITING PROMPT AMAZING ANCHORS PT 2	Day 10 **Tectonics & Geological Events** ASSESSMENT

9 Taxonomy

9 days 2 standards: 7.14A, 7.14B

CONTENT STANDARDS

TEKS 7.14A
Describe the taxonomic system that categorizes organisms based on similarities and differences shared among groups

TEKS 7.14B
Describe the characteristics of the recognized kingdoms and their importance in ecosystems such as bacteria aiding digestion or fungi decomposing organic matter

KEY VOCABULARY

Bacteria	Archaea
Eukarya	taxonomy
domain	kingdom
phylum	class
order	family
genus	species
binomial nomenclature	unicellular
multicellular	prokaryotic
eukaryotic	autotrophic
heterotrophic	Animalia
Plantae	Fungi
Protista	Eubacteria
Archaebacteria	

SUGGESTED RECURRING THEMES

7.5B Identify and investigate cause-and-effect relationships
7.5F Explain the relationship between structure and function

SUGGESTED SCIENCE & ENGINEERING PRACTICES

7.4A Relate how research and innovation shape scientific thought and society
7.4C Research resources to investigate STEM careers

DAY-BY-DAY PACING

MON	TUE	WED	THU	FRI
Day 1 **Taxonomy** ENGAGEMENT STATION LAB (INPUT)	Day 2 **Taxonomy** STATION LAB (OUTPUT)	Day 3 **Taxonomy** PRESENTATION + INB	Day 4 **Taxonomy** PRESENTATION + INB **Characteristics of Kingdoms** ENGAGEMENT	Day 5 **Characteristics of Organisms** INQUIRY LAB
Day 6 **Characteristics of Kingdoms** PRESENTATION + INB	Day 7 **Characteristics of Kingdoms** PRESENTATION + INB **Classification** WIKI TICKET	Day 8 **Classification** ESCAPE ROOM	Day 9 **Taxonomy** ASSESSMENT **Characteristics of Kingdoms** ASSESSMENT	

10 Ecosystems

10 days 2 standards: 7.12A, 7.12B

CONTENT STANDARDS

TEKS 7.12A
Diagram the flow of energy within trophic levels and describe how the available energy decreases in successive trophic levels in energy pyramids

TEKS 7.12B
Describe how ecosystems are sustained by the continuous flow of energy and the recycling of matter and nutrients within the biosphere

KEY VOCABULARY

energy pyramid	trophic level
producers	autotroph
heterotroph	primary consumer
secondary consumer	tertiary consumer
apex predators	biosphere
ecosystem	food web
sustained	matter

SUGGESTED RECURRING THEMES

7.5A Identify and apply patterns to explain phenomena or design solutions

7.5E Analyze how energy flows and matter cycles through systems

SUGGESTED SCIENCE & ENGINEERING PRACTICES

7.2A Identify advantages and limitations of models

7.2C Use mathematical calculations to assess quantitative relationships

7.4A Relate how research and innovation shape scientific thought and society

DAY-BY-DAY PACING

MON	TUE	WED	THU	FRI
Day 1 **Diagram Trophic Levels** ENGAGEMENT **Food Webs & Energy Pyramids** INQUIRY LAB	Day 2 **Food Webs & Energy Pyramids** INQUIRY LAB	Day 3 **Diagram Trophic Levels** PRESENTATION + INB **Food Webs & Energy Pyramids** WIKI TICKET	Day 4 **Food Webs & Energy Pyramids** READING COMPREHENSION	Day 5 **Food Webs & Energy Pyramids** ESCAPE ROOM
Day 6 **Diagram Trophic Levels** ASSESSMENT **Matter & Energy in Ecosystems** AMAZING ANCHORS PT 1	Day 7 **Matter & Energy in Ecosystems** INQUIRY LAB	Day 8 **Matter in the Biosphere** PRESENTATION + INB **Matter & Energy in Ecosystems** WIKI TICKET	Day 9 **Matter & Energy in Ecosystems** WRITING PROMPT AMAZING ANCHORS PT 2	Day 10 **Matter in the Biosphere** ASSESSMENT

11 Human Impact

10 days 2 standards: 7.11A, 7.11B

CONTENT STANDARDS

TEKS 7.11A
Analyze the beneficial and harmful influences of human activity on groundwater and surface water in a watershed

TEKS 7.11B
Describe human dependence and influence on ocean systems and explain how human activities impact these systems

KEY VOCABULARY

- watershed
- surface water
- aquifer
- phytoplankton
- precipitation
- ocean currents
- groundwater
- percolation
- pollution
- evaporate
- runoff

SUGGESTED RECURRING THEMES

7.5B Identify and investigate cause-and-effect relationships

7.5D Examine and model the parts of a system and their interdependence

SUGGESTED SCIENCE & ENGINEERING PRACTICES

7.2A Identify advantages and limitations of models

7.3A Develop explanations and propose solutions supported by data and models

7.3B Communicate explanations and solutions in a variety of formats

7.4B Make informed decisions by evaluating evidence from multiple sources

DAY-BY-DAY PACING

MON	TUE	WED	THU	FRI
Day 1 **Human Activity & Water** ENGAGEMENT STATION LAB (INPUT)	Day 2 **Human Activity & Water** STATION LAB (OUTPUT)	Day 3 **Human Activity & Water** PRESENTATION + INB	Day 4 **Human Activity & Water** PRESENTATION + INB **Watersheds** WIKI TICKET	Day 5 **Human Activity & Water** ASSESSMENT
Day 6 **Humans & Ocean Systems** ENGAGEMENT **Oceans** INQUIRY LAB	Day 7 **Oceans** INQUIRY LAB	Day 8 **Humans & Ocean Systems** PRESENTATION + INB	Day 9 **Humans & Ocean Systems** PRESENTATION + INB **Oceans** WIKI TICKET	Day 10 **Humans & Ocean Systems** ASSESSMENT

12 Reproduction & Traits

9 days 2 standards: 7.13C, 7.13D

CONTENT STANDARDS

TEKS 7.13C
Compare the results of asexual and sexual reproduction of plants and animals in relation to the diversity of offspring and the changes in the population over time

TEKS 7.13D
Describe and give examples of how natural and artificial selection change the occurrence of traits in a population over generations

KEY VOCABULARY

asexual reproduction	sexual reproduction
binary fission	budding
spore formation	fragmentation
vegetative propagation	offspring
population	generation
traits	variations
adaptions	natural selection
artificial selection	

SUGGESTED RECURRING THEMES

7.5A Identify and apply patterns to explain phenomena or design solutions

7.5G Explain how factors or conditions impact stability and change

SUGGESTED SCIENCE & ENGINEERING PRACTICES

7.1A Ask questions and define problems based on observations

7.2C Use mathematical calculations to assess quantitative relationships

7.3B Communicate explanations and solutions in a variety of formats

DAY-BY-DAY PACING

MON	TUE	WED	THU	FRI
Day 1 **Reproduction & Offspring Diversity** ENGAGEMENT STATION LAB (INPUT)	Day 2 **Reproduction & Offspring Diversity** STATION LAB (OUTPUT)	Day 3 **Reproduction & Offspring Diversity** PRESENTATION + INB	Day 4 **Reproduction & Offspring Diversity** PRESENTATION + INB **Sexual & Asexual Reproduction** WIKI TICKET	Day 5 **Reproduction & Offspring Diversity** ASSESSMENT **Natural Selection** AMAZING ANCHORS PT 1
Day 6 **Natural Selection** INQUIRY LAB	Day 7 **Natural & Artificial Selection** PRESENTATION + INB **Natural Selection** WIKI TICKET	Day 8 **Natural Selection** WRITING PROMPT AMAZING ANCHORS PT 2	Day 9 **Natural & Artificial Selection** ASSESSMENT	

13 Body Systems

20 days 2 standards: 7.13B, 7.13A, 7.13A, 7.13A, 7.13A, 7.13A, 7.13A, 7.13A, 7.13A, 7.13A, 7.13A

CONTENT STANDARDS

TEKS 7.13A
Identify and model the main functions of the systems of the human organism, including the circulatory, respiratory, skeletal, muscular, digestive, urinary, reproductive, integumentary, nervous, immune, and endocrine systems

TEKS 7.13B
Describe the hierarchical organization of cells, tissues, organs, and organ systems within plants and animals

KEY VOCABULARY

- cells
- tissues
- organ
- organ system
- organism
- circulatory system
- muscular system
- skeletal system
- nervous system
- endocrine system
- respiratory system
- digestive system
- urinary system
- immune system
- integumentary system

SUGGESTED RECURRING THEMES

7.5D Examine and model the parts of a system and their interdependence

7.5F Explain the relationship between structure and function

SUGGESTED SCIENCE & ENGINEERING PRACTICES

7.3B Communicate explanations and solutions in a variety of formats

7.1G Develop and use models to represent phenomena and systems

7.2B Analyze data by identifying patterns, features, and sources of error

DAY-BY-DAY PACING

MON	TUE	WED	THU	FRI
Day 1	Day 2 **Skeletal System** INQUIRY LAB	Day 3 **Muscular System** INQUIRY LAB	Day 4 **Muscular System** READING COMPREHENSION	Day 5 **Nervous System** INQUIRY LAB
Day 6 **Nervous System Functions** WRITING PROMPT	Day 7	Day 8 **Circulatory System** READING COMPREHENSION	Day 9 **Respiratory System** INQUIRY LAB WIKI TICKET	Day 10 **Respiratory System** READING COMPREHENSION
Day 11	Day 12 **Digestive System** WRITING PROMPT	Day 13 **Excretory System** INQUIRY LAB WIKI TICKET	Day 14 **Endocrine System Functions** INQUIRY LAB **Endocrine System** WIKI TICKET	Day 15 **Endocrine System** READING COMPREHENSION
Day 16	Day 17 **Hierarchy of Organisms** AMAZING ANCHORS PT 1 STATION LAB (INPUT)	Day 18 **Hierarchy of Organisms Station Lab** STATION LAB (OUTPUT)	Day 19 **Hierarchy of Organisms** AMAZING ANCHORS PT 2 **Organization of Organisms** WIKI TICKET	Day 20 **Body Systems** ESCAPE ROOM

14 STEM Challenge

5 days Engineering design projects

Close the year with open-ended engineering design challenges that let students apply what they have learned across multiple units. Each project links to the full resource on the store.

DAY-BY-DAY PACING

MON	TUE	WED	THU	FRI
Day 1 **All Hands on Deck** PROJECT	Day 2 **All Hands on Deck** PROJECT	Day 3 **All Hands on Deck** PROJECT	Day 4 **All Hands on Deck** PROJECT	Day 5 **All Hands on Deck** PROJECT

MORE STEM CHALLENGES IN THIS COLLECTION

- **Project Save the Oceans**
- **Project Birdman**
- **Project Solar System Explorer**
- **Project Drift Away**
- **Project Far Out**

★ **Every linked resource is free for Kesler Science Members**
keslerscience.com/kesler-science-membership