

MATATAG → Science → Grade 4			
Topic	FILENAME	File Type	Level of Skill Progression
Q1: MATERIALS			
Science Inventions: Science inventions have brought about major changes to our daily lives.	BEG_Video - Scientists Too Smart for Their Time	video	Beginning
	PRO_Video - TED ED Rosalind Franklin DNA's unsung hero	video	Proficient
	DEV_Video - Inventors in the Philippines Join the Race to Conserve Energy	video	Developing
	PRO_Video - High Five Facts: Radio	video	Proficient
	PRO_Video - Technology Today	video	Proficient
Materials and Their Uses: Chemical properties of materials determine their uses.	PRO_Video - Environmental Impacts of Detergents	video	Proficient
	HPR_Video - Chemical Changes	video	Highly Proficient
	DEV_Discussion Presentation and Printable Worksheet - Ability of a Material to Absorb Water	ppt and pdf	Developing
	DEV_Discussion Presentation and Printable Worksheet - Ability of a Material to Sink and Float	ppt and pdf	Developing
	DEV_Discussion Presentation - Decaying and Non-Decaying Materials	powerpoint	Developing
	DEV_Discussion Presentation and Printable Worksheet - Physical Changes in Matter	ppt and pdf	Developing
	HPR_Discussion Presentation - Useful and Harmful Effects of the Changes in Matter	powerpoint	Highly Proficient
	PRO_Printable Worksheet - Useful and Harmful Effects of the Changes in Matter	PDF	Proficient
	PRO_Printable Worksheet - Chemical Changes in Matter	PDF	Proficient
	HPR_Discussion Presentation - Chemical Changes in Matter	powerpoint	Highly Proficient
	DEV_eContent - Classify materials based on the ability to absorb water, float, sink, and undergo decay	html	Developing
	DEV_eContent - Describe changes in properties of materials when exposed to certain conditions	html	Developing
	DEV_eContent - Use the properties of materials whether they are useful or harmful	html	Developing
	DEV_eContent - Investigate changes that happen in materials under the following conditions	html	Developing
Gathering Scientific Information: Communication skills and open mindedness are needed in solving environmental issues.	PRO_Video - Five Facts: Ocean Pollution	video	Proficient
	HPR_Video - Human impact	video	Highly Proficient

Q2: LIVING THINGS				
Human Body Systems: Muscular and Skeletal	DEV_Video - Skeletal and Muscular System	video	Developing	
	BEG_Video - How Many Bones Are There in the Body?	video	Beginner	
	PRO_Video - Human Digestive System	video	Proficient	
	HPR_Video - Respiratory and Circulatory System	video	Highly Proficient	
	DEV_Video - How Do the Lungs Work?	video	Developing	
	PRO_Video - Circulatory System	video	Proficient	
	PRO_Video - The Respiratory System	video	Proficient	
	DEV_Video - Eating Food	video	Developing	
Systems in Plants and Animals: Animals and plants have systems that function to keep them alive.	PRO_Video - The Roots of Plants	video	Proficient	
	BEG_Video - Plants	video	Beginning	
	PRO_Video - Transport of Water in Plants	video	Proficient	
	PRO_Video - What Happened to Our Plants?	video	Proficient	
	DEV_eContent - Infer that body structures help animals adapt and survive in their habitats	html	Developing	
Plants and Animals and Their Habitats: Animals and plants live in habitats that meet their basic needs.	PRO_Discussion Presentation - Adaptation of Terrestrial Animal	powerpoint	Proficient	
	DEV_Printable Worksheet - Adaptation of Terrestrial Animal	PDF	Developing	
	PRO_Discussion Presentation - Adaptation of Aquatic Animals	powerpoint	Proficient	
	DEV_Printable Worksheet - Adaptation of Aquatic Animals	PDF	Developing	
	PRO_Discussion Presentation - Adaptation of Terrestrial Plants	powerpoint	Proficient	
	DEV_Printable Worksheet - Adaptation of Terrestrial Plants	PDF	Developing	
	PRO_Discussion Presentation - Adaptation of Aquatic Plants	powerpoint	Proficient	
	DEV_Printable Worksheet - Adaptation of Aquatic Plants	PDF	Developing	
	DEV_Video - Aquatic Plants	video	Proficient	
	PRO_Video - Habitats	video	Proficient	
	HPR_Video - Animal Habitats	video	Highly Proficient	
	HPR_Video - The Sharks That Hunt in Forests	video	Highly Proficient	
	HPR_Video - Terrestrial Habitat	video	Highly Proficient	
	HPR_Video - Why Don't We Cover the Desert with Solar Panels	video	Highly Proficient	
	HPR_Video - Plants as Habitats	video	Highly Proficient	
	BEG_eContent - Describe some types of beneficial interactions among living things	html	Beginning	
Life cycles of animals: Animals have life cycles that include development and reproduction.	PRO_Printable Worksheet - Life Cycle of Different Animals	PDF	Proficient	
	PRO_Video - Life Cycle of a Butterfly	video	Proficient	
	PRO_Video - Animal Life Cycles	video	Proficient	
	DEV_Video - Cycles in Living Things: Life Cycle	video	Developing	
	PRO_Video - Life Cycle	video	Proficient	
	BEG_eContent - Compare the stages in the life cycle of organisms	html	Beginning	
Feeding Behavior of Animals	BEG_Video - Carnivores 1	video	Beginning	
	DEV_Video - Carnivores 2	video	Developing	
	DEV_Video - Herbivores	video	Developing	
	PRO_Video - Omnivores 2	video	Proficient	
	BEG_Video - Omnivores 1	video	Beginning	
	HPR_Video - Food Chains Compilation	video	Highly Proficient	
	HPR_Video - What Are Food Chains?	video	Highly Proficient	

Q3: FORCE, MOTION, AND ENERGY				
Forces and Movement: Pushes and pulls can change the position and shape of objects.	PRO_Discussion Presentation - Distance, Time, and Speed	powerpoint	Proficient	
	DEV_Printable Worksheet - Distance, Time, and Speed	PDF	Developing	
	PRO_Video - Motion	video	Proficient	
	PRO_Video - Things in Motion: Force	video	Proficient	
	DEV_Video - Pull	video	Developing	
	DEV_Video - Push	video	Developing	
	HPR_Video - Forces That Cause Change	video	Highly Proficient	
	DEV_Video - Force and Movement	video	Developing	
	DEV_eContent - Explain the effects of force applied to an object	html	Developing	
Observing, Measuring, and Predicting: (a) Science processes help in observing and predicting how things move. (b) Gathering scientific information helps explain the behavior of objects and materials.	DEV_Video - What Are the Properties?	video	Developing	
	PRO_Video - Measuring Distance	video	Proficient	
Magnets: Magnets affect some objects and materials without touching them.	PRO_Discussion Presentation - Magnetic Force	powerpoint	Proficient	
	DEV_Printable Worksheet - Magnetic Force	PDF	Developing	
	PRO_Video - Fun with Magnets!	video	Proficient	
	DEV_Video - Experimenting with Magnets	video	Developing	
	PRO_Video - TED-Ed: Can Loud Music Damage Your Hearing?	video	Proficient	
Energy: Sound, Light, and Heat: Energy is present whenever there is movement, sound, light, or heat.	DEV_Video - Transformation of Energy	video	Developing	
	PRO_Video - Light and Other Forms of Energy	video	Proficient	
	DEV_Video - Sound	video	Developing	
	PRO_Video - What Is Sound?	video	Proficient	
	PRO_Video - Using Light	video	Proficient	
	PRO_Video - Exploring Energy: Different Forms of Energy	video	Proficient	
	DEV_eContent - Investigate the properties and characteristics of light	html	Developing	

Q4: EARTH AND SPACE			
Soil and Water in the Environment: Soil and water resources are needed by plants and animals to live and grow.	DEV_Discussion Presentation and Printable Worksheet - Types of Soil	ppt and pdf	Developing
	PRO_Discussion Presentation and Printable Worksheet - Functions of Soil in the Environment	ppt and pdf	Proficient
	DEV_Video - Soil Differences	video	Developing
	BEG_Video - Water	video	Beginning
	DEV_Video - Need for Food and Water	video	Beginning
	DEV_Video - Soil Formation	video	Developing
	DEV_Video - What Happened to Our Plants?	video	Developing
	DEV_eContent - Compare and contrast the characteristics of different types of soil	html	Developing
Characteristics of Weather: Characteristics of the weather can be observed and measured.	PRO_Discussion Presentation - Components of Weather and Weather Instruments	powerpoint	Proficient
	DEV_Printable Worksheet - Components of Weather and Weather Instruments	PDF	Developing
	DEV_Video - Weather: How Do Meteorologists Predict It?	video	Developing
	PRO_Video - Weather Things: Basic Weather Instruments	video	Proficient
	DEV_Video - Sun, Heat, Air and Wind: weather instruments, wind speed and direction	video	Developing
	DEV_Video - Weather and Seasons: Sun and Seasons, Meteorologists, Instruments	video	Developing
	PRO_Video - Emma Thompson Delivers 'Extreme Weather Warning' Forecast	video	Proficient
	BEG_Video - Sunny, Rainy, and Cloudy Days	video	Beginning
	BEG_Video - How Do We Know When It Will Rain?	video	Beginning
Characteristics of the Sun: The Sun is a ball of hot gases about 100 times the size of Earth, which radiates light energy needed by living things.	DEV_Video - Be a Weather Watcher	video	Developing
	DEV_Discussion Presentation and Printable Worksheet - The Sun and Its Effects on People and the Community	ppt and pdf	Developing
	PRO_Video - The Powerhouse Sun: The Characteristics of the Sun	video	Proficient
	DEV_Video - The Sun	video	Developing
	DEV_Video - Following the Sun: Shadow	video	Developing
	DEV_Video - Energy from the Sun	video	Developing
	PRO_Video - What Is the Actual Color of the Sun?	video	Proficient