		<u>Science</u>	Grade 5	
		Quarter 1		
Content/ Resources	Skills	Related Skills/ Modifications	Vocabulary	Assessment
LIFE SCIENCES 5. L3U1.9: Obtain, evaluate and communicate information about patterns between the offspring of plants, and the offspring of animals (including humans); construct an explanation of how genetic information is passed from one generation to the next. Suggested Resources: •Traits and Genetics Student Workbook	Genetic variation in sexual reproduction (in plants and animals, including humans). Complete and interpret Punnett squares. Use Punnett squares to calculate ratios of offspring types.		allele dominant gene genotype heterozygous homozygous dominant homozygous recessive offspring Punnett square ratio recessive trait community cycle ecosystem habitat population niche	Traits and Genes workbook: Building Traits project Traits and Genes workbook: Quiz 1 Traits and Genes workbook: Create Punnett square Traits and Genes Workbook: Quiz 2

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5.L3U1.10: Construct an explanation based on evidence that the changes in an environment can affect the development of the traits in a population of organisms. Resources: Traits and Genetics Student Workbook - Human Involvement pages and animal adaptation project	How do genes & the environment affect growth?		Traits and Genes workbook: Animal adaptation Project Traits and Genes workbook: Quiz 3
5.L4U3.11:			
Obtain, evaluate and communicate evidence about how natural & human-caused changes to habitat or climate can impact populations.	How are humans changing the environment and how does that affect how animals or plants grow?		Traits and Genes workbook: Unit Test
Resources: Traits and Genetics Student Work books - Human Involvement pages	Climate Change, Deforestation, Coral Reef destruction		
5.L4U3. 12: Construct an argument based on evidence that inherited characteristics can be affected by behavior and/or environmental conditions. Resources: Traits and Genetics Student Workbook - Invasive species	Identify inherited & acquired traits. Inherited and acquired traits: use evidence to support a statement. How do genes and the		

		T	<u></u>
pages, Animal adaptation project	environment		
adaptation project	affect growth?		
L	1	I	I.

		<u>Science</u>	Grade 5	
		Quarter 2		
Content/Reso urces	Skills	Related Skills/ Modifications	Vocabulary	Assessment
PHYSICAL SCIENCE				
5.P1U1.1: Analyze and interpret data to explain that matter of any type can be subdivided into particles too small to see and, in a closed system, if properties change or chemical reaction occurs, the amount of matter stays the same.	Identify reactants and products. Count atoms and molecules in chemical reactions. Calculate amounts of reactants or products in chemical reactions. Identify reactants and products.		atom concentrated compound dilute electron element neutron proton saturated	Inspire Science Module 1 Lesson Checks
5.P1U1.2: Plan and carry out investigations to demonstrate that some substances combine to form new substances with different properties and others can be mixed without taking on new properties.	Count atoms & molecules in chemical reactions. Calculate amounts of reactants and products in chemical reactions. Explore chemical structure & properties: soapmaking.		chemical chemical change combustion equation physical change polymer product reactant	Inspire Science Module 1 Lesson Checks, Module 1 Test

5	I =		
Resources:	Explore		
	chemical		
	structure &		
	properties:		
	food flavors.		
	1000 navors.		
Science Fair			
Project			
	Review	analysis	
	expectations	conclusion	
		constants	
	and project		
	requirements	control	
		data	
	Discuss and	dependent	
	schedule	variable	
	project	variable	
	project		
	deadlines and	experiment	
	final project	hypothesis	
	due date.		
		independent	
		variable	
		matoriala	
		materials	
		procedures	
		science fair	
		scientific method	
		results	

		<u>Science</u>	Grade 5	
		Quarter 3		
Content/ Resources	Skills	Related Skills/ Modifications	Vocabulary	Assessment
PHYSICAL SCIENCE 5.P2U1.3:	Identify		acceleration	Newtons Cradle Stem Project
Construct an explanation using	magnets that attract or repel.		equilibrium force	
evidence to demonstrate			inertia machine	Module 2 Lesson Checks, Module 2 Test, Module 4 Lesson Checks, Module 4 Test

that objects can affect other objects even when they are not touching. Resources: Inspire Module 2 Lesson 1 (Force and Motion) Suggested Language Objective: *Write a research paper about a parson that has made important contributions in socience, GS.W.7 - Writing) *Create a chart that describes the changes in physical and contention of matter. (G.W.6 - Writing) *Write about the equalities *Write about the qualities *Write about the mages in the physical and the qualities *Write about the mages in the value of the properties of the properties of the physical and the qualities of the properties of the prop				<u>, </u>
tother bijects even when they are not touching. Resources: Inspire Module 2 Lesson 1 (Role of gravity) How do balanced forces affect communicate widence of the effects of	-		power	
wen when they are not touching. Resources: Inspire Module 2 Lesson 1 (Flores and communicate a			velocity	
wew when they are not touching. Resources: Inspire Module 2 Lesson 1 (Rigole of gravity) 5.P3U1.4: Obtain, analyze, and communicate swidence of the effects that balanced and ounbalanced forces have on the motion of objects. Resources: Inspire Unit 1 Lesson 1 (Forces and Motion) Suggested Language Objective: *Write a research paper about a person that has made important contributions in science, (5.W.7 - Whiting) *Create a chart that describes in physical and chemical states of matter. (S.W.8 - Writing) *Writing a very control of the effects where the changes in physical and chemical states of matter. (S.W.8 - Writing) *Writing a very control of the effects where the changes in physical and chemical states of matter. (S.W.8 - Writing) *Writing about	_	repel.	work	
touching, Resources: Inspire Module 2 Lesson 1 (Role of gravity) 5.P3U1.4: Obtain. analyze, and communicate widence of the effects that balanced and unbalanced forces have on the motion of objects. Resources: Inspire Unit 1 Lesson 1 (Forces and Motion) Suggested Language Objective: *Write a research paper about a person that has made important contributions in science, 6.6.W.7 - Writing) *Create a chart that describes the changes in physical and chemical states of matter, (So.W.8 - Writing) *Write a research project/paper Conduction convection electromagnatic radiation electrom				
Resources: Inspire Module 2 Lesson 1 Chain, analyze, and communicate evidence of the effects that balanced and unbalanced forces have on the motion of objects. Resources: Inspire Unit 1 Lesson 1 (Forces and Motion) Suggested Language Objective: *Write a research paper about a person that has made important contributions in science, (5.W.7 - Writing) *Create a chart that desoribes the changes in physical and chemical states of matter. G.W.8 - Writine a person the changes in physical and chemical states of matter. G.W.8 - Writine a person the changes in physical and chemical states of matter. G.W.8 - Writine a person the changes in physical and chemical states of matter. G.W.8 - Writine a person the changes in physical and chemical states of matter. G.W.8 - Writine a person the changes in physical and chemical states of matter. G.W.8 - Writine a person the changes in physical and chemical states of matter. G.W.8 - Writine a person the changes in physical and chemical states of matter. G.W.8 - Writine a person the changes in physical and chemical states of matter. G.W.8 - Writine a person the changes in physical and chemical states of matter. G.W.8 - Writine about the matter and the changes in physical and chemical states of matter. G.W.8 - Writine about the matter and the changes in physical and chemical states of matter.	_			
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Writing) kinetic energy potential energy thermal energy				
•Write about potential energy thermal energy			kinetic energy	
Write about thermal energy	,			
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needed to be a successful scientist. (5.W.9)			
Suggested Supporting Question:		circuit diagram	
•What determines whether something is a mixture or a compound?		current electromagnetic insulator resistor volt	
5.P3U2.5: Define problems and design solutions pertaining to force and motion. Resources:		biomass geothermal hydroelectric solar energy wind energy	
Resources: Inspire Module Unit 1 Lesson 2,3(Forces and Motion)			
5.P4U1.6: Analyze and interpret data to determine how and where energy is transferred when objects move.	Explore energy transformations : roller coaster ride Explore energy transformations : bike ride		
Resources:			
Resources: Inspire Unit 1 Lesson 4 (Energy Transfer in Collisions)			

		<u>Science</u>	Grade 5	
		Quarter 4		
Content/ Resources	Skills	Related Skills/Modifications	Vocabulary	Assessment
5.E2.U1.7:		3km3/Wounteation3		
J.LZ.01.7.	Analyze models			
Develop.	of the Earth,		asteroid	
revise and use	Sun, Moon		axis	
models based	system.		black hole	Inspire Science
on evidence	,		constellation	Module: Earth's patterns and Movement
to construct			comet	(unit 4 assessment)
explanations			galaxy	,
about the			light-year	Module: Earth and Space (unit 4
movement of	Identify phases		moon phase	assessment)
the Earth and	of the moon.		nebula	
Moon within			revolution	
our solar			rotation	
system.	What causes		satellite	
	the seasons on		solar system	
	Earth?		space probe	
5.E2U1.8:	Lartin		supernova	
Obtain,				
analyze, and				
communicate				
evidence to				
support an				
explanation				
that the				
gravitational				
force of Earth				
on objects is				
directed				
toward the				
planet's				
center.		Student Planet		
		Report- Super		
Suggested		Teachers		
Resources:		Worskheets		
Inspire science		https://drive.goog		
Module:		<u>le.com/file/d/1NG</u>		
Earth's		1y26z45TJRRxrd9_		
Patterns and		JXxRcMN6vyyyBw		
Movement		/view?usp=sharin		
(Unit 4) and		g		
Module: Earth				
and Space				Drainet ideas
(Unit 4)		https://solarsystem		Project ideas:
		.nasa.gov/planets/		Research
		overview/		
		https://www.calend		project/paper
		arhuzz.net/moon-p		PowerPoint/Slides
	l	amazz.novinovii	<u> </u>	I OWELL OILIVOINGS

Suggested	hase-calendar-wor	Presentations
Language	ksheet/	
Objectives:		Create 3D models & present
		'
Analyze and		
publish your		
findings from		
your research		
of the moon		
phases. (5.W.9		
- Writing)		
Write an		
informational		
report on a		
planet in our		
solar system.		
(5.W.2- Writing)		
Suggested		
Supporting		
Question:		
•How will		
objects of		
different size		
and density fall		
to the earth		
differently?		
 What different 		
types of matter		
are the		
different		
planets made		
of?		