

Strand: Life Science		
Topic: 7.LS.2 Mitosis		
Level: 7th Grade		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.	Sample Tasks Mitosis Project
	The student will: Will be able to model how cells grow and repair (mitosis). Explain the stages of mitosis.	
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will: Explain the stages of mitosis.	Sample Tasks Oreo Cookie Lab Gummy Worm Whiteboard
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will: *Recognize or recall specific vocabulary, such as: recognizes or recalls specific terminology, such as: prophase, metaphase, anaphase, telophase, cytokinesis, mitosis	Sample Tasks Define the terminology to the left.
	*Perform basic processes, such as:	
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Life Science		
Topic: 7.LS.4 Cells, Tissues, Organ Systems		
Level: 7th Grade		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.	<u>Sample Tasks</u>
	The student will: Research and describe the functions and relationships among various cell types, tissues, and organs from one of the following systems: immune system, circulatory system, digestive system.	Human Body Corporation Project-Letter
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will:	<u>Sample Tasks</u>
	Research and describe the functions and relationships among various cell types, tissues, and organs.	Human Body Corporation Project- Research
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will:	<u>Sample Tasks</u>
	*Recognize or recall specific vocabulary, such as: cell, tissue, organ, immune system, circulatory system, digestive system, organ system *Perform basic processes, such as:	Define the terminology to the left
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Physical Science		
Topic: 7.PS.1 Atoms, Elements, Molecules & Compounds		
Level: 7th Grade		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.	<u>Sample Tasks</u>
	The student will: Construct models to differentiate and describe between atoms, elements, molecules, and compounds Construct the positions and label charges of protons, neutrons and electrons within an atom (atomic number, mass number).	Construct models and create Kizoa:Atoms, Elements, Molecules and Compounds Project
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will: Draw models to differentiate between atoms, elements, molecules, and compounds. Draw the positions and label charges of protons, neutrons and electrons within an atom (atomic number, mass number).	<u>Sample Tasks</u>
		2D drawings of atoms, elements, compounds, molecules
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will: *Recognize or recall specific vocabulary, such as: atoms, elements, molecules, compounds	<u>Sample Tasks</u>
	*Perform basic processes, such as: Compare the locations and properties of protons, electrons, and neutrons.	Define atoms, elements, molecules and compounds When given a picture able to distinguish among an element, molecule and compound.
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Physical Science		
Topic: 7.PS.8 & 7.PS.9 Law of Conservation of Energy & Heat Transfer		
Level: 7th Grade		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.	<u>Sample Tasks</u>
	The student will: Using a graph, explain why the temperature of an object changes.	Short Answer Assessment Question
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will: Investigate and explain how energy is transferred from one form to another using the three types of heat transfer. Provide evidence that the amount of energy doesn't change when going from one form to another.	<u>Sample Tasks</u>
		Heat Transfer Assessment Card sort/Round table
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will: *Recognize or recall specific vocabulary, such as: law of conservation of energy, friction three types of heat transfer: conduction, convection, radiation	<u>Sample Tasks</u> Answer fill in the blank or matching questions using vocabulary terms.
	*Perform basic processes, such as: Compare the locations and properties of protons, electrons, and neutrons.	
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Physical Science		
Topic: 7.PS.7 Newton's Laws of Motion		
Level: 7th Grade		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.	<u>Sample Tasks</u> Create and analyze the performance of the car.
	The student will: Analyze the performance of the car and identify areas of its strengths and weaknesses.	
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will: Able to explain all 3 of Newton's laws of motion. Build a device that uses Newton's laws of motion. Explain how motion, acceleration, force and mass are affecting the device.	<u>Sample Tasks</u> Plan and build a car powered by balloon/create blog about your experience Recognize the forces acting on the balloon racer and explain how the resulting force influences the balloon racer's motion. Create a diagram to show the direction of movement of an object. Demonstrate the difference between balanced vs. unbalanced forces.
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will: *Recognize or recall specific vocabulary, such as: force, motion, net force, speed, acceleration, velocity, Newton's first law, Newton's second law, Newton's third law, inertia.	<u>Sample Tasks</u> Answer fill the blank or matching questions regarding the meanings of vocabulary terms such as motion, inertia, etc... Recognizes the three laws of motion.
	*Perform basic processes, such as: Able to explain 2 of Newton's laws of motion. Recognize and recall accurate statements about Newton's laws of motion.	
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Physical Science		
Topic: 7.ESS.3 Continental drift theory and plate tectonics		
Level: 7th Grade		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.	<u>Sample Tasks</u>
	The student will: Create, demonstrate, and explain the continental drift theory and how lithospheric (tectonic) plates have been and still are in constant motion resulting in the creation of landforms on the Earth's surface over time.	Graham Cracker Project
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will:	<u>Sample Tasks</u>
	Demonstrate and explain the continental drift theory and how lithospheric (tectonic) plates have been and still are in constant motion resulting in the creation of landforms on the Earth's surface over time.	Using a pre-made block model to demonstrate and explain continental drift theory. Continental drift puzzle activity
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will:	<u>Sample Tasks</u>
	*Recognize or recall specific vocabulary, such as: Continental drift theory, Convergent, divergent, transform, Mountains, Volcanoes, Earthquakes, Asthenosphere, Lithosphere, convection current, plate tectonics *Perform basic processes, such as:	Students can define terminology (listed on left) when given choices (multiple choice or matching).
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Earth Science		
Topic: Rocks & Minerals		
Level: 7th Grade		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.	Sample Tasks Read a scenario about a geographical area and analyze the rock composition.
	The student will: Draw conclusions and make inferences about a geographical area based on its rock composition.	
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will: Identify and investigate the properties of minerals. Classify a variety of rocks based on physical characteristics. Distinguish between sedimentary, igneous, and metamorphic rocks (Rock Cycle).	Sample Tasks Using a rock identification chart students will classify rocks into the three rock types. Using the dichotomous scale students will identify 6 minerals. Using crayons students will simulate the rock cycle Create a rock cycle flowchart or diagram that demonstrates the processes involved in the formation, breakdown, and reformation of igneous, sedimentary, and metamorphic rock. Show how each type can melt and reform igneous rock, undergo the various metamorphic processes, and undergo physical and chemical weathering to form sedimentary rock. Level 3 Questions on Assessment
	2.5	
Score 2.0 Progressing	The student will: *Recognize or recall specific vocabulary, such as:	Sample Tasks Describe the terminology to the left
	erosion, deposition, igneous, sedimentary, metamorphic, rock cycle, streak, color, luster, cleavage, weathering *Perform basic processes, such as:	
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Earth Science		
Topic: 7.ESS.7 Renewable vs. Nonrenewable Resources		
Level: 7th Grade		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.	<u>Sample Tasks</u>
	The student will: Determine which energy resources are the most beneficial and efficient in Indiana.	Apply knowledge to the features of Indiana. letter defending choice (summative)
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will: Describe the positive and negative environmental impacts of obtaining and using various renewable and nonrenewable resources.	<u>Sample Tasks</u>
		Given one resource a group of students can explain its impact positive and negative on the environment. Town meeting Gallery walk w/ info paper
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will: *Recognize or recall specific vocabulary, such as: renewable, nonrenewable, solar, wind, nuclear, geothermal, gasohol, fossil fuels - coal, natural gas, oil	<u>Sample Tasks</u>
		Describe the terminology to the left
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	

Strand: Life Science		
Topic: 7.LS.5- Plant vs Animal Cells		
Level: 7th Grade		
Score 4.0 Mastery	In addition to Score 3.0, in-depth inferences, applications, and analysis indicate an extension of learning.	<u>Sample Tasks</u> Labeling and explaining animal and plant cell organelles on a printed picture
	The student will: Compare and contrast <i>all</i> of the forms (shape) and functions (job) of the organelles found in plant and animal cells.	
3.5	In addition to score 3.0 performance, the student has partial success at score 4.0 content.	
Score 3.0 Proficient	The student will:	<u>Sample Tasks</u> Labeling and explaining animal and plant cell organelles on a printed picture Mini Cell City
	Compare and contrast <i>most</i> of the forms (shape) and functions (job) of the organelles found in plant and animal cells.	
2.5	The student has no major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content.	
Score 2.0 Progressing	The student will:	<u>Sample Tasks</u> Describe the terminology to the left
	*Recognize or recall specific vocabulary, such as: nucleus, vacuole, mitochondria, chloroplast, golgi complex, cell wall, cell membrane, lysosome, ribosomes, endoplasmic reticulum (smooth/rough)	
1.5	The student has partial success at score 2.0 content, but major errors or omissions regarding score 3.0 content.	
Score 1.0 Beginning	With help, the student has partial success at score 2.0 content and score 3.0 content.	
0.5	With help, the student has partial success at score 2.0 content but not at score 3.0 content.	
Score 0.0	Even with help, the student has no success.	