

REGION ONE TEACHER RESOURCES BY REPORTING CATEGORY

8th GRADE SCIENCE:

MATTER AND ENERGY: REPORTING CATEGORY 1

8.5 Matter and energy. The student knows that matter is composed of atoms and has chemical and physical properties. The student is expected to:

TOPIC	STUDENT EXPECTATION(S)	LINK TO STUDENT ACTIVITY and suggested assignment or assessment
Atomic structure-mass, location, charge of sub-atomic parts	8.5(A) describe the structure of atoms, including the masses, electrical charges, and locations, of protons and neutrons in the nucleus and electrons in the electron cloud; Readiness Standard	<p>English https://tinyurl.com/preucs2</p> <p>Español https://tinyurl.com/uswvqwb</p>
Atomic structure mass, charge and identity of atoms and placement of elements on the periodic table	8.5(B) identify that protons determine an element's identity and valence electrons determine its chemical properties, including reactivity; Readiness Standard	

Suggested assignment/assessment format for the activity above

https://drive.google.com/file/d/16y_b-n0Pw41XlfYvdK6yrC77zi8nBJyo/view?usp=sharing

EARTH and SPACE: REPORTING CATEGORY 3

8.9 Earth and space. The student knows that natural events can impact Earth systems. The student is expected to

TOPIC	STUDENT EXPECTATION(S)	LINK TO STUDENT ACTIVITY and suggested assignment or assessment
Topographic maps	8.9(C) interpret topographic maps and satellite views to identify land and erosional features and predict how these features may be reshaped by weathering. Readiness Standard	https://edpuzzle.com/media/5e8e3803776b523f02cc4625

Possible assignments or assessments

<https://tinyurl.com/tm58euz>

<https://tinyurl.com/wle9zze>

(8.7) **Earth and space.** The student knows the effects resulting from cyclical movements of the Sun, Earth, and Moon. The student is expected to

TOPIC	STUDENT EXPECTATION(S)	LINK TO STUDENT ACTIVITY and suggested assignment or assessment
Earth's rotation day/night Earth's tilt and the Seasons	8.7 (A) model and illustrate how the tilted Earth rotates on its axis, causing day and night, and revolves around the Sun, causing changes in seasons; <i>Readiness Standard</i>	Rotation: https://edpuzzle.com/media/5e8f51fc1123433f265dd144 tilt/revolution seasons https://edpuzzle.com/media/5e8f554fd9f7ca3f22b7f8ce
Lunar cycle	8.7(B) demonstrate and predict the sequence of events in the lunar cycle; and <i>Readiness Standard</i>	https://edpuzzle.com/media/5e7ba3bd8a01c23f1a4a9eee
Graphing activity https://tinyurl.com/sl8v8ka		