Teacher Name: Kim Collier **Subject: EES**

RRGSD Remote Instruction Learning Plan

Dates: ____4/12____ - ___4/16_____

Statement of Goals and Objectives: *(Learning Targets in Student & Parent-Friendly Language)*	● EEn.2.1 Explain how processes and forces affect the lithosphere. ● EEn.2.1.1 Explain how the rock cycle, plate tectonics, volcanoes, and earthquakes impact the lithosphere. ● EEn.2.1.2 Predict the locations of volcanoes, earthquakes, and faults based on information contained in a variety of maps. ● EEn.2.1.3 Explain how natural actions such as weathering, erosion (wind, water and gravity), and soil formation affect Earth's surface. ● EEn.2.1.4 Explain the probability of and preparation for geohazards such as landslides, avalanches, earthquakes and volcanoes in a particular area based on available data ●
Topic(s)/Concept & NC Standard Course of Study: *Topic(s)/Concept and the correlating content standards addressed)*	● EEn.2.1.1 ● • Explain the rock cycle in enough detail to relate the cycling of materials - formation and destruction of the three major rock types to the forces responsible: physical and chemical weathering, heat and pressure, deposition, foliation and bedding. The forms of energy that drive the rock cycle include heat and mechanical (gravitational potential) energy. ● • Explain how various mechanisms (mantle convection, ridge push, gravity pull) drive movement of the lithospheric plates. ● • Infer the relationship between the type of plate boundary and the locations of various features such as ocean trenches, mountain ranges and mid-ocean ridges. (Relate to the development of the theory of plate tectonics and geologic time.) ● • Compare magma and lava. Locate volcanoes and relate back to plate boundaries. Explain volcanic effects on the lithosphere and relate back to plate boundaries (convergent, divergent, transform) including lahar (mud) flows and ash in the atmosphere. ● • Describe the anatomy of an earthquake. Locate earthquakes – epicenter and focal point – and relate to different types of plate boundaries. Explain how the release of energy of various types of earthquakes relates to magnitude, and P and S waves. ● • Summarize the major events in the geologic history of North Carolina and the southeastern United States. Explain how current geologic landforms developed such as Appalachian Mountains, fall zone, shorelines, barrier islands, valleys, river basins, etc. using the geologic time scale. ● EEn.2.1.2 ● • Infer the locations of volcanoes, earthquakes and faults (strike-slip, reverse and normal) from soil, geologic and topographic map studies. (Relate fault locations/types to plate boundaries.) ● • Make predictions based on data gathered over time in conjunction with various maps. ● EEn.2.1.3 ● • Recall that soil is the result of weathering of rocks and includes weathered particles: sand, silt and clay. ● • Explain differences in chemical and physical weathering and how

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	weathering rates are affected by a variety of factors including climate, topography and rock composition. • • Compare erosion by water, wind, ice, and gravity and the effect on various landforms. • EEn.2.1.4 • • Conclude the best location for various types of development to reduce impacts by geohazards and protect property. • • Explain precautions that can be made to protect life from various geohazards and include meteorological hazards. Some examples include landslides, earthquakes, tsunamis, sinkholes, groundwater pollution, and flooding. •
Social-Emotional Focus	Weekly Check in

Daily Agenda: Including assignments and due dates

Date:	Virtual/Remote	Check-In Times for Virtual:
Monday: April 12	Begin Lithosphere Edpuzzle Bill Nye Rocks and Soil Rock Cycle Reading with questions New Vocabulary	Face to Face 12:40 to 2:05 No Live Google Meet today. Assignments posted in google classroom.
Tuesday: April 13	Four Layers of the Earth reading with questions Coloring the Four Layers of the Earth	Face to Face 12:40 to 2:05 No Live Google Meet today. Assignments posted in google classroom.
Wednesday: April 14	Review Rock Cycle and Layers of the Earth Begin Plate Tectonics - Powerpoint and Notes with Doodle Notes	Face to Face and Live Google Meet 12:40 - 2:05
Thursday: April 15	Plate Tectonics Webquest Continental Drift - Wegner	Face to Face and Live Google Meet 12:40 - 2:05
Friday: April 16	Review quizizz Vocabulary Quiz	Face to Face and Live Google Meet 12:40 - 2:05

Assessment:

How will I be assessing my students throughout this week?

Formative Assessment(s)	Quizizz review
Summative Assessment(s)	Vocabulary Quiz
How will I know my students have **mastered the content** from this week?	Score 70% or higher

Additional Resources:

If a student needs additional support, below are resources that will assist with the material being taught.

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Topic/Concept	Website/Location resource can be found
	Apex Learning