**North East School Division**



**Unpacking Outcomes**

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| **Harvesting the Outcome** | **BIG IDEAS** |
| **ES3.2 Analyze the interdependence between soil and living things, including the importance of soil for individuals, society, and all components of the environment.** |  |
| **Outcome** (circle the verb and underline the nouns or noun phrases) |
| **Analyze** → interdependence between soil and living things**Analyze** → importance of soil for individual, society and all components of the environment. |
| **KNOW BEFORE UNIT** | **KNOW AFTER UNIT** | **UNDERSTAND** | **BE ABLE TO DO** |
| - the characteristics of different soils including composition, color, texture, and the ability to absorb water. (ES3.1) | - plants and animals depend on soil- ways that individuals and communities can reduce erosion- how we treat the soil affects plants, animals and all components of the environment | - examine the interdependence between animals and the soil- ways FNM and other cultures value and use soils- the effects of moving water on soil- ways that humans affect the soil both positively and negatively- soil is important to humans in many ways | - examine the interdependence between animals and soil- examine the interdependence between plants and soil- design and carry out an experiment to determine the effects of moving water on different soil types- research careers that involve an understanding of soils |
|  Vocabulary:- interdependence- aerate- berms- erosion | - contamination- compaction- composting |
| **Essential Questions** |
| **How do different cultures value and use soils?****Why is soil important to you?****How do we affect the soil both positively and negatively?****What are the effects of moving water on soil and how can we reduce the effects?****How are plants and soils interdependent?****How are animals and soils interdependent?****How does soil type influence the plants that grow in the environment?** |