**Modeling the Process of Unpacking a Standard Science**

**Step 1: Consult the Avondale Curriculum Guide to identify a standard to be assessed**

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| **Earth and Space Science**  **Grade 3**  **Concept 1: Properties of Earth Materials** | |  | | --- | | PO 1.  Identify the layers of the Earth:   * crust * mantle * core (inner and outer) | | PO 2.  Describe the different types of rocks and how they are formed:   * metamorphic * igneous * sedimentary | | PO 3.  Classify rocks based on the following physical properties:   * color * texture | | PO 4.  Describe fossils as a record of past life forms. | | PO 5.  Describe how fossils are formed. | | PO 6.  Describe ways humans use Earth materials (e.g.*,* fuel, building  materials, growing food). | |

**Step 2: Unpack the standard**

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| **Essential Knowledge/Concepts**  ***What Do Students Need to Know/Understand?***  **List the underlined nouns** | **Essential Skills**  ***What Do Students Need to Be Able to Do?***  **List the circled (or *italicized*) verbs** |

**Step 3: Identify the DOK Level and Vocabulary of the Standard**

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| **Depth of Knowledge**  **Highlight the DOK level of the standard (*see resource*)**   * **DOK 1 – Recall/Reproduction:** Recall a fact, information, or procedure. Process information on a low level. * **DOK 2 – Skill/Concept:** Use information or conceptual knowledge, two or more steps. * **DOK 3 – Strategic Thinking:** Requires reasoning, developing a plan or a sequence of steps, some complexity. * **DOK 4 – Extended Thinking:** Requires an investigation, time to think and process multiple conditions of the problem. Most on-demand assessments will NOT include level 4 activities | **Essential Vocabulary**  ***What Do Students Need to Comprehend?***  **List all key vocabulary** |

**Step 4: Identify the learning objectives of the Standard**

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| **Learning Objectives aligned to the Standard**  ***What ‘I can’ statement(s) will clarify the objective for students?*** |

**Step 5: Evidence of Student Mastery? *\*See ‘Create Assessment of Mastery’ document***

***How will we know when they know it?***