Toolbox

Chapter 1: Blueprint for Deeper Learning

5E Engage, Explore, Explain, Elaborate, Evaluate

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Foundation for Learning** | | | | | | | |
| **Title:** | | | | | | | |
| **Grade/Course:** | | **Subject:** | | | | **Duration:** | |
| **Focus Standards:** | | | | | | | |
| **Skills:** | | **Concepts:** | | | | **Bloom’s Level:** | |
|  | | | | | | | |
| **DOK 1:** | **DOK 2:** | | | **DOK 3:** | | | **DOK 4:** |
| **NGSS Dimension I:** (Scientific and Engineering Practices) | | | **NGSS Dimension II:**  (Crosscutting Concepts) | | **NGSS Dimension I:**  (Disciplinary Core Ideas) | | |
| **Learning Targets:**  **I am learning to . . .** | | | | **Success Criteria:**  **I will be successful when I can . . .** | | | |

|  |
| --- |
| **Real-World Problem and Task Overview** |
| **Real-World Problem/Challenge/Issue:** |
| **Overview of Learning Tasks (1-2 sentences with aligned standard codes):** |
| **Task I:**  **Task II:**  **Task III:**  **Task IV:** |

5E Instructional Model adapted by Dr. Lissa Pijanowski. *The 5E model has evolved and there is an expanded 7E model and both are endorsed by the NSTA.*

Toolbox

Chapter 1: Blueprint for Deeper Learning

5E Engage, Explore, Explain, Elaborate, Evaluate

Continued from previous page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Construction of Knowledge: Task 1** | | | **Check Expected Level of R/R** | |
| **Engage:** (Driving Question) |  | | **🞎 C** | **🞎 D** |
| **Engage:** (Task Opening) |  | | **🞎 A** | **🞎 B** |
| **Explore:** (Student hands-on activities to grapple with problem or phenomenon) |  | | **Strategies:** | |
| **Explain:** (Teacher provides concepts and terms to develop explanations for the phenomenon) |  | | **Strategies:** | |
| **Elaborate:** (Students apply what they learned to new situations/problems/ challenges) |  | | **Strategies:** | |
| **Task Closing:** |  | | | |
| **Instructional Resources (Print/Digital)** | **Teacher Resources:** | **Student Resources:** | | |
| **Learner Considerations: (Special Ed, ELL, etc.)** |  | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Inspection and Feedback** | | | |
| **Evaluate: (**Students provide evidence for changes to their understandings, beliefs, and skills through assessment/task): | | | |
| **Success Criteria:** | **Not Yet** | **Meets** | **Feedback** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Toolbox

Chapter 1: Blueprint for Deeper Learning

5E Engage, Explore, Explain, Elaborate, Evaluate

Continued from previous page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Construction of Knowledge: Task 2** | | | **Check Expected Level of R/R** | |
| **Engage:** (Driving Question) |  | | **🞎 C** | **🞎 D** |
| **Engage:** (Task Opening) |  | | **🞎 A** | **🞎 B** |
| **Explore:** (Student hands-on activities to grapple with problem or phenomenon) |  | | **Strategies:** | |
| **Explain:** (Teacher provides concepts and terms to develop explanations for the phenomenon) |  | | **Strategies:** | |
| **Elaborate:** (Students apply what they learned to new situations/problems/ challenges) |  | | **Strategies:** | |
| **Task Closing:** |  | | | |
| **Instructional Resources (Print/Digital)** | **Teacher Resources:** | **Student Resources:** | | |
| **Learner Considerations: (Special Ed, ELL, etc.)** |  | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Inspection and Feedback** | | | |
| **Evaluate: (**Students provide evidence for changes to their understandings, beliefs, and skills through assessment/task): | | | |
| **Success Criteria:** | **Not Yet** | **Meets** | **Feedback** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Toolbox

Chapter 1: Blueprint for Deeper Learning

5E Engage, Explore, Explain, Elaborate, Evaluate

Continued from previous page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Construction of Knowledge: Task 3** | | | **Check Expected Level of R/R** | |
| **Engage:** (Driving Question) |  | | **🞎 C** | **🞎 D** |
| **Engage:** (Task Opening) |  | | **🞎 A** | **🞎 B** |
| **Explore:** (Student hands-on activities to grapple with problem or phenomenon) |  | | **Strategies:** | |
| **Explain:** (Teacher provides concepts and terms to develop explanations for the phenomenon) |  | | **Strategies:** | |
| **Elaborate:** (Students apply what they learned to new situations/problems/ challenges) |  | | **Strategies:** | |
| **Task Closing:** |  | | | |
| **Instructional Resources (Print/Digital)** | **Teacher Resources:** | **Student Resources:** | | |
| **Learner Considerations: (Special Ed, ELL, etc.)** |  | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Inspection and Feedback** | | | |
| **Evaluate: (**Students provide evidence for changes to their understandings, beliefs, and skills through assessment/task): | | | |
| **Success Criteria:** | **Not Yet** | **Meets** | **Feedback** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Toolbox

Chapter 1: Blueprint for Deeper Learning

5E Engage, Explore, Explain, Elaborate, Evaluate

Continued from previous page

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Construction of Knowledge: Task 4** | | | **Check Expected Level of R/R** | |
| **Engage:** (Driving Question) |  | | **🞎 C** | **🞎 D** |
| **Engage:** (Task Opening) |  | | **🞎 A** | **🞎 B** |
| **Explore:** (Student hands-on activities to grapple with problem or phenomenon) |  | | **Strategies:** | |
| **Explain:** (Teacher provides concepts and terms to develop explanations for the phenomenon) |  | | **Strategies:** | |
| **Elaborate:** (Students apply what they learned to new situations/problems/ challenges) |  | | **Strategies:** | |
| **Task Closing:** |  | | | |
| **Instructional Resources (Print/Digital)** | **Teacher Resources:** | **Student Resources:** | | |
| **Learner Considerations: (Special Ed, ELL, etc.)** |  | | | |

|  |  |  |
| --- | --- | --- |
| **Inspection and Feedback** | | |
| **Evaluate: (**Students provide evidence for changes to their understandings, beliefs, and skills through assessment/task) | | |
| **Success Criteria:** | **Points** | **Feedback:** |
|  | \_\_\_\_\_\_ of \_\_\_\_\_\_ |  |
|  | \_\_\_\_\_\_ of \_\_\_\_\_\_ |  |
|  | \_\_\_\_\_\_ of \_\_\_\_\_\_ |  |
|  | \_\_\_\_\_\_ of \_\_\_\_\_\_ |  |
| **Total** | \_\_\_\_\_\_ of \_\_\_\_\_\_ |  |

Toolbox

Chapter 1: Blueprint for Deeper Learning

5E Engage, Explore, Explain, Elaborate, Evaluate

Continued from previous page

|  |  |
| --- | --- |
| **Reflection on Design and Learning** |  |
| **Teacher Reflection:** | |
| **Student Reflection:** | |
| **Considerations for Redesign:** | |
|  | |