***Aligning Activities to the Three Dimensions of NGSS – SEP and CCC***

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| Grade | Name of Activity |

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| *Science and Engineering Practices:* | List ***specific evidence*** from the activity of the SEP | Strength Scale 0 - 5 |
| 1. Asking questions and defining problems |  |  |
| 2. Developing and using models |  |  |
| 3. Planning and Carrying out investigations |  |  |
| 4. Analyzing and interpreting data |  |  |
| 5. Using mathematics and computational thinking |  |  |
| 6. Constructing explanations and designing solutions |  |  |
| 7. Engaging in argument from evidence |  |  |
| 8. Obtaining, evaluating, and communicating information |  |  |

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| *Crosscutting Concepts*: | List ***specific evidence*** from the activity of the CCC | Strength Scale 0 – 5 |
| 1. Patterns |  |  |
| 2. Cause and effect |  |  |
| 3. Scale, proportion, and quantity |  |  |
| 4. Systems and system models |  |  |
| 5. Energy and matter: Flows, cycles, and conservation |  |  |
| 6. Structure and function |  |  |
| 7. Stability and change |  |  |

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|  | ***Strength Scale Rubric*** |
| 5 | Imbedded throughout and directly aligned |
| 4 | Imbedded with connections throughout |
| 3 | Imbedded in parts with some connections |
| 2 | Imbedded very little and has a connection |
| 1 | No mention but there is a connection |
| 0 | No mention and No connection |