Sample Self-Evaluation Checklist for Preservice Teachers and Grading Rubric

Checklist (Use this list to self-evaluate the content and organization of your project prior to turning it in.)

General Organization:

____ Electronic copy is submitted (**required for grading**).
____ Project is closely aligned with math and science standards.
____ The template provided in class has been used.
____ Full math and science content standards are printed on the first page of the notebook.
____ Materials have been **revised to address feedback** from peers and instructors.
____ Notebook content is visually organized and easy to follow.
____ Full activity directions are included.
____ Outside sources are clearly cited using APA format.
____ It is clear what materials are new and what materials were created by another person.

CER Organization:

____ CER framework is used to summarize the key concept(s) of the hands-on activities.
____ CER student prompts are provided and specific to the content of the activities.
____ Target CER student responses are included.

5E Application:

____ Each of the 5Es is clearly labeled.
____ Engage prompts students for prior knowledge.
____ Explore gives students the opportunity to experience key concepts.
____ Explain summarizes **all** aspects of the science and math content of the standards (include your notes pages here with important images/diagrams).
____ Elaborate requires students to **apply** their understanding of concepts in a new way.
____ Evaluate includes a mix of question types and cognitive levels aligned to math and science standards.

Grading Rubric

Components (weighted equally)	**Unacceptable (D level or lower)**	**Acceptable (B/C level)**	**Target (A level)**
Alignment with the Content Standards	Unacceptable alignment of learning activities with the content standards	Acceptable alignment of learning activities with content standards	Excellent alignment of learning activities to the content standards
Integration of Math and Science	Integration of math and science is unclear or missing.	Integration of math and science is present for the Explain, Evaluate, and either the Explore or Elaborate.	Integration of math and science is present for the Explain, Evaluate, and either the Explore or Elaborate; integration is meaningful and seamless; it is a natural fit.
Application of the 5E Model of Instruction	3 or more stages do not address key components of 5E model	1-2 stages do not address key components of 5E model	Excellent application of the 5E Model **AND** stages address key components of 5Es
Application of the CER Framework	CER Framework was not applied to key concept(s) of hands-on activities **OR** student prompts and target responses are not included	Specific student prompts are not provided **OR** target student responses are not included	Excellent application of CER framework for key concept(s) of hands-on activities **AND** specific student prompts and target responses are included
General Organization & Appropriate Use of Resources	Unacceptable organization of content **OR** materials are not cited	Acceptable organization of content **OR** materials are not clearly cited	Excellent organization of content **AND** outside sources are clearly cited using APA format