

Remediation Project Criteria Rubric

Student AMD remediation projects and presentations should incorporate all of the following aspects to receive full credit:

- Basic chemical equations for selected remediation techniques. For example, the students need to provide the chemical equation explaining how acid mine drainage is neutralized and what metals precipitate out of the AMD when it comes in contact with limestone.
- What remediation techniques students chose and why the techniques are suitable for the selected AMD scenario.
- Layouts, components, and materials of their remediation system.
- A basic idea of the estimated cost/feasibility of their remediation plan.
- A general estimate of the expected amount and type of ongoing maintenance for the upkeep of their remediation system.
- Students should search online or in the provided documents for existing remediation methods and explain how they tailored those ideas to their specific site.
- Pros and cons of their remediation plan.
- Creativity.

CRITERIA	SCORE (0=No Credit, 5=Full Credit)					
Chemical Equations	0	1	2	3	4	5
Techniques and why	0	1	2	3	4	5
Layout, components, materials	0	1	2	3	4	5
Cost/feasibility	0	1	2	3	4	5
Expected maintenance	0	1	2	3	4	5
Tailored existing ideas	0	1	2	3	4	5
Pros and Cons	0	1	2	3	4	5
Creativity	0	1	2	3	4	5

TOTAL SCORE out of 40 points:

Student Names:

Comments: _____

