Watershed project rubric

Now that we’ve investigated what a *watershed* is (a geographic area, with a border created by areas of relatively higher elevation, where water is collected and flows to a common body of water) and how it works, our task now is to recreate/represent a model of one from a geographic area of your choice.

For your watershed model, you will need to demonstrate (visually and written explanations) the following:

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| --- | --- | --- | --- |
| Objectives | Expectations: **“I can….”** | Value | Result |
| Boundary | • identify/describe from a map the geographic boundary for my watershed  • explain on my model **how and why** that boundary exists | 10% |  |
| Inputs | • identify/describe how water gets into my watershed  • explain how the water cycle is involved with this process (What energy is needed for this? Where does the water come from?) | 20% |  |
| Outputs | • identify/describe how water gets out of my watershed (Where does it go? Direction?)  • explain how the water cycle is involved with this process (What energy is needed for this? What causes/influences the water to move? | 20% |  |
| Interactions | • identify/describe what could happen to water within the watershed  • identify/describe environmental issues concerning water within my geographic area | 10% |  |
| Repeatable | • explain how this watershed can repeat this process (What happens if it doesn’t rain that day? Is the watershed gone? Why not?) | 20% |  |
| Quality of model | • create a model that is based on a geographic area of my choice  • create an explanation sheet (one or two pages) that addresses all of the expectations  • create a neat model, labeled with important information, and appropriately scaled | 20% |  |
|  | Each section will be graded based on a sliding scale  (4 = outstanding, 3 = good, 2 = done, 1 = needs work | 100% |  |

Comments: