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:

|  |  |  |  |
| --- | --- | --- | --- |
| 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: