**Option #1: Water Cycle Comic Strip Adventure**

As part of this exciting adventure, you will have the opportunity to journey through the water cycle as a water molecule. You will keep track of your adventure on your note taking sheet. The boxes should list the location on the cycle with arrows explaining how your water molecule travelled to each point. Sometimes you might have to stay at the same location, please don’t stay longer than two times at one location. Make sure you fill in all the boxes on your journey.

Comic strip work needs to be a narrative story detailing your adventure through the water cycle. Each frame should further develop the narrative story. You will put the final project on a 8 1/2 x 14” piece of computer paper. Your teacher will provide the paper. Fold your paper as shown in class so that you have 10 frames.

Directions for Water Cycle Comic Strip

Now that you have completed the Water Cycle Game, you will create a Comic Strip of your molecule on its adventure through the Water Cycle. You will develop a cartoon character for your water molecule and include illustrations. You should create a block for each station. Your comic strip should be neatly drawn, creative, reflect the entire water cycle, in story. Remember the story does not end, it cycles on…

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Water Cycle Comic** |  |  |  |  |  |
| Complete Note page |  |  |  |  |  |
| Title frame: name, hour, creative title; illustration  fancy lettering |  |  |  |  |  |
| Each frame shows a new adventure of the water molecule in its journey through the water cycle. |  |  |  |  |  |
| Creative character |  |  |  |  |  |
| Each frame is filled completely with a colorful illustration & text |  |  |  |  |  |
| Interesting, imaginative & tells a story |  |  |  |  |  |
| Neatly Written |  |  |  |  |  |
| Correct Spelling |  |  |  |  |  |
| Total Points |  |  |  |  |  |

**Option #2: Water Filtration Challenge**

The Citizens of Wazzerapa have become very concerned with the quality of their drinking water and have reached out to the Vinu Rao Foundation for assistance. The Vinu Rao Foundation challenges local scientists to come up with low cost solutions for problems faced by small communities. As a scientist and citizen of Wazzerapa, your challenge is to come up with a model filtration system that adheres to the guidelines listed below.

1. Your filtration system must consist of at least two treatment steps.
2. It must be made of materials approved by The Vinu Rao Foundation (from home and/or school).
3. Your model should be a “green alternative” paralleling the steps of the Earth’s natural water cycle.
4. You will submit your completed model, an illustration of your model with parts labeled and their purpose, and be prepared to describe your filtration system to The Citizens of Wazzerapa.

Each model filtration system will be scored by the following rubric and awards will be given to the one scoring highest in each category as well as the overall winner.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Professional  Quality | Strong  Effort | Met  Standard | Did NOT meet standard |
| Amount of water yielded from filtration |  |  |  |  |
| Visible clearness of water |  |  |  |  |
| Creative use of materials |  |  |  |  |
| Model and Illustration quality |  |  |  |  |
| Effectiveness of you presentation |  |  |  |  |

**Option #3: Water Cycle Collage**

You will need to find magazine pictures for this assignment. Find enough pictures (at least 10-15) to create a collage which demonstrates the Water Cycle. The entire paper should be covered with pictures. Each part of the cycle should be represented with pictures that are neatly labeled in black marker. Make sure to use straight lines for labeling, neatly trim pictures, and use directional flow to illustrate the cycle. The following words should appear on your paper: Condensation, Evaporation, Collection, Groundwater, Runoff, Transpiration, and Precipitation.

Put your name and hour on the front of the paper so that it is easily seen.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| WATER CYCLE COLLAGE RUBRIC |  |  |  |  |  |
| Name and hour are on the FRONT of the paper and easily seen. |  |  |  |  |  |
| The entire paper is filled w/approximately 10-15 pictures. All  Construction paper is covered by pictures. |  |  |  |  |  |
| All required words are included and neatly written  with black  Marker or typed in the correct sequence. |  |  |  |  |  |
| Arrows join all terms indicating the correct directional flow of the water cycle. Arrows are clearly and neatly added to collage. |  |  |  |  |  |
| Pictures for each term are included and appropriately placed on collage for—Evaporation, Condensation, Precipitation, Collection, Groundwater, Runoff, and Transpiration. |  |  |  |  |  |
| Correct Spelling |  |  |  |  |  |
| Pictures and labels are neatly trimmed and fit on construction paper. |  |  |  |  |  |
| Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour\_\_\_\_\_\_\_\_\_\_\_\_ TOTAL EARNED | | | | | |
|  | | | | | |