

## Diorama and Website Exhibit

**Challenge:** The Museum of Natural Sciences is updating their collection to include more interactive and engaging exhibits and they have approached your team to construct new exhibits about soil conservation. You and your colleague will need to construct a diorama and a website for your exhibit.

### Day 1-2: Work on website

1. Create a free website using your WCPSS email for access, such as Weebly.
2. **Requirements for website:**
  - *Homepage:* Introduce topic of soil conservation, the importance of soil, the creators of the exhibit, and explanation of the 4 tabs on the top of your website.
    - o Explain what soil conservation is, who you and your colleague are, and what will be on the 4 tabs on the website.
  - *1<sup>st</sup> Tab:* Why is soil conservation important?
    - o Explain how soil is affected by erosion, farming, misuse of soil, etc.
    - o You need to explain erosion and how it occurs.
    - o Explain why we should be concerned about soil conservation.
  - *2<sup>nd</sup> Tab:* What are ways to conserve soil?
    - o Explain ways of conserving soil that you found through your research.
  - *3<sup>rd</sup> Tab:* How will soil conservation affect your region (Africa or Southeast Asia)
    - o Explain why soil conservation methods should be used in your team's region. Think about the soil that can be found in your region, how it could impact the growth of crops, which methods that you found would be best for your region, etc.
  - *4<sup>th</sup> Tab:* Works Cited
    - o Cite all websites and books that you used when researching your topic.
3. Grammar and Structure of pages on website:
  - It is required that each page on the website is written in *your own words*. You may not copy and paste any information, nor can you use another's idea without giving credit for their work/picture. If you use the idea or a quote from some else, you must put it on your works cited tab.
  - The pages are free of grammatical errors and have proper sentence structure with correct punctuation.
  - There must be at least 5 sentences, or 5 bullet points per page.
  - There must be at least 1 picture, animation, or video on each page. The picture, animation or video must be cited on your works cited tab.

**\*\*Tips:** Remember your goal is to educate people, therefore, make sure that you present your information in a way that anyone would be able to understand it. \*\*

### Day 3-4: Work on diorama

*What is a diorama?*

A diorama is a 3-D model that shows a scene made in a small scale.

Check out the following video for more explanation: <http://www.youtube.com/watch?v=DJKyM3JIAI>

*What do we need to put in my soil conservation diorama?*

You will need to research a way of conserving soil such as no-till farming, terrace farming, practice contour farming, create a rain garden, etc. Then, you and your partner will need to construct a diorama depicting a way that experts have created to help conserve soil.

*What supplies do we need to create my soil conservation diorama?*

You will need to create your diorama in a cardboard box, such as a shoebox, and any supplies that you need for you to create a scene in the cardboard box.

### **Requirements for diorama:**

1. You and your colleague will need to figure out what type of soil conservation method you want to depict in your diorama. Both of you will need to come up with a list of supplies that you will need to bring in for your diorama.
2. On days 3-4, you and your partner will work together to create your diorama.
3. The inside and outside of your cardboard box will need to be covered to add to your diorama's theme.
4. The diorama will need to be explained in at least one printed paragraph that will be displayed next to the diorama.