

Activity 3 – Digital Preservation

Materials:

- If available: Structure from Motion and Terrestrial Laser Scanning and a computer
- If technology is not available: Legos, Model Magic, Play Dough, Lincoln Logs, popsicle sticks- anything for students to make a model of something culturally important to them

Research: Structure from Motion and Terrestrial Laser Scanning.

What is the difference between the two?

Next research the following:

- Preserving African Heritage: <http://www.zamaniproject.org/>
- Preserving Global Sites: <http://www.lib.usf.edu/dhhc/>
- Preserving the Smithsonian: <https://3d.si.edu/>
- Fighting against the loss of cultural heritage: <https://www.globalexplorer.org/>

With your group and make a model of one of the objects in the room, or something culturally important to them, or a past historical monument.

- Things to remember: Your equipment cannot see past a solid surface, try to get data from all angles to avoid shadows. Capture at least three reference points in each picture.

1. How would you digitally preserve the site you decided was most important?

2. What obstacles should you consider?

3. Are there other technologies that would help?

Now.... create a plan for a digital preservation campaign. Provide background about it, what geological or human activity is affecting this monument? What techniques can be used to save the monument? Make a campaign for it, record it below, and be prepared to share with the class.