NETS 3d

 Using the Kite site in *Technology to Enhance Learning* I was able to study different examples of technology being used in different situations and reflect on if the technology was being used effectively. Artifact 1 shows the way I classified each case report and gives a specific example using one of the case reports. Artifact 2 shows a lesson plan that I created using the Newsy site where I used an information resource to guide research and learning about the environment.

Artifact 1

**Learning and Technology Matrix Template**

|  |  |  |  |
| --- | --- | --- | --- |
| Learning is…  Technology | Cooperative | Active | Authentic |
| Video Conferencing | 1100-1 | 2071-1 | 7002-1 |
| Video  Camera | 8239-1 | 3129-1 | 4142-1 |
| Concept Mapping | 1202-1 | 1109-1 | 8218-1 |

Case # 8218-1 is a good example of authentic learning being supported by concept mapping. Students had to organize their thoughts/concepts to compare specific examples of medieval life to modern life. They used Inspiration software to come up with specific categories. What made it authentic is that students had to record real life examples by taking pictures in a natural context, their environment, to contrast them to life in the past. The past examples came from research they had completed on medieval life. They had to organize their thoughts and materials in order to compare/contrast the two examples.

Artifact 2

|  |  |  |
| --- | --- | --- |
| **Title: LED Lightbulb Makes Debut** | | |
| **Date:** April 1, 2014 | **Grade: 3** | **Subject:** Science/Health |
| **URL: http://www.newsy.com/videos/led-light-bulb-makes-earth-day-debut/** | | |

|  |
| --- |
| **Teacher Information**: This video will get the students thinking about ways they can help with making their environments better. It also gives both sides of the issue. It tells how the light bulbs help save electricity and also the cost involved. |

|  |  |  |
| --- | --- | --- |
| **Phase** | **Task(s)** | **Time** |
| Preparation | I will share with students that Earth Day is coming up this month, and we will discuss what that holiday means to them. Then, I will read *The Great Kapok Tree* by Lynn Cherry to the students. We will have a discussion about why it is important to take care of our environment and list some things we ourselves could do to help with the environment. | 20 min |
| Watch | As a class, students will watch **LED Lightbulb Makes Debut.**  **http://www.newsy.com/videos/led-light-bulb-makes-earth-day-debut/** | 1:44 min |
| Re-watch and answer | Re-watch the video and then have students respond in their journals one reason it is a good idea to replace their light bulbs with LED light bulbs and also write down one drawback to replacing them. Have them pair/share with their partners. | 10 min |
| Group Work | Students get into groups of three to come up with different ways that they could help the environment. Then they will choose one of those ways as a group that they could implement in their current lives. | 15 min |
| Discussion | Talk about the fact that even though replacing all of the light bulbs in their houses with LED bulbs might be too expensive there are things that they can do personally to help the environment. We will brainstorm and share different ideas. | 5 min |

|  |
| --- |
| **Title: LED Lightbulb Makes Debut** |

**Extended Learning Activities – Optional**

|  |  |  |
| --- | --- | --- |
| **Parent Involvement** | Students will share their plan to help the environment with their parents and then the parents will help them implement the plan or at least acknowledge that their child has taught them about their findings. | varies |
| **Research** | Students will research the specific way their group chose to help the environment and make a PowerPoint presentation telling the reason people should make the change and also describing how that change would benefit the environment. | varies |
| **Research** | Are there any obstacles that would prevent me from implementing the changes? | varies |
| **Report** | Groups will share their findings about the way their group has chosen to help the environment and how that choice will benefit those around them. | varies |

**Looking for related resources? Check out…**

<http://www.50waystohelp.com/>

This is a guide with 50 different ways that you can help the planet in your everyday lives.

Earth Day Network

<http://www.earthday.org/>

This site tells about current events that focus on Earth Day. It also tells about things you can do to help the environment.

CNN

<http://www.cnn.com/2014/03/27/living/student-money-saving-typeface-garamond-schools/index.html>

Suvir Mirchandani, a 14-year old student, shares how he came up with a way for the government to save 400 million in ink costs and paper by using a different font. This site shows a way that one person can make a difference in helping the environment.

PBS Kids

<http://pbskids.org/itsmylife/emotions/volunteering/article7.html>

Website designed to educate students on volunteering and helping the environment.

EPA

<http://www.epa.gov/students/index.html>

This site gives ideas and resources for school projects.