DIY Watershed	
Course/Grade Level: 6-8	Experiment Duration: 30 minutes
Website Link to Experiment: https://www.youtube.com/watch?v=-miMpYOL5Is	
Expectations: Understand how a watershed operates in our everyday surroundings by using a watershed model made from simple materials.	
Sample Data/Tables if Needed:	
Context for Learning	
<ul> <li>Objective:</li> <li>Use common household materials to create a simple DIY watershed</li> <li>Understand basic watershed principles and how different absorbent materials can be used to slow down the flow of water and keep contaminated water out of bodies of water</li> </ul>	
How this experiment relates to wastewater/water treatment: Keeping our water free from pollutants by using absorbent materials keeps wildlife and communities safe.	
Instructional Delivery	
Materials: 1. (1) 8 ½ x 11 printer paper 2. (1) Cookie sheet 3. Tape 4. Colored markers 5. (1) Spray bottle 6. Cocoa powder 7. (1) Bag of cotton balls	
<ul> <li>Procedures:</li> <li>1. Place the cookie sheet on the table</li> <li>2. Crumple up one piece of paper</li> <li>3. Uncrumple the paper, and tape the edges of</li> <li>4. Taking the colored markers, highlight the cr</li> <li>5. Fill the spray bottle with water, and lightly space</li> </ul>	
6. Observe how the water travels from the high of the paper	

10. Empty the existing water out of the paper, so there is no remaining water on the paper

- 11. Next, place the cotton balls all around the paper
- 12. Again, sprinkle cocoa powder around the paper and spray the bottle of water on the paper

13. Observe how the cotton balls soak up the cocoa powder water mixture, preventing the water from getting contaminated

## Assessment/Evaluation

## Questions:

- What are some absorbent materials you can find around your house?
- Cotton balls, towels, paper towels, tissues
- What are some absorbent materials found in nature?
- Moss, grass, foliage
- What are things we don't want to find in our water supply?
- Garbage, waste, pollutants
- Why is it important to keep our water supply clean?
- To protect wildlife, and to keep the water we use and drink safe so we do not get sick

Notes: