Name: _____

Shower Curtain Shed

You recently used the wikiwatershed simulation to discover what types of area have higher infiltrations and less watershed or runoff. Now we will do a shower curtain watershed model to experience these phenomena in real life.

Materials:

- plastic shower curtain
- water soluble markers
- spray bottle & water
- food coloring
- smartphone/camera

Chunk #1: Model your watershed

- Think about what your local watershed looks like. What are your local landforms and bodies of water (e.g., rivers, lakes, swamps)? How might you model these features using a plastic shower curtain?
    - Use chairs, boxes, newspaper or other props to try and recreate these basic features.
- Once you have your model built, predict where you think water will go.
    - Where might puddles collect? Where might water move faster or slower than other areas?
- Use your markers to draw arrows on the shower curtain where you think the water will flow and a different color for where it might collect.
- Take a photo of your model!
- Use the spray bottle to simulate rain (you may want to tint the water with food coloring to see where it goes better). Do the flow patterns and accumulation spots match your predictions?
- Take a photo (or short video) of water moving across your model.

Chunk #2: Sharing

- Share your photos on a slide in the prepared Google slide deck. Include your name and area you are attempting to model. Click the photo below to access the Slides.

Chunk #3: Questions to Ponder

- Does this model accurately model a real watershed? Why or why not?
- What aspects does this model handle well?
- What aspects might be missing?
- Are there ways any of these missing aspects might be added into the model?