Flood Education Resources
City of Fort Collins, Colorado

1. Trivia Questions and Wheel – We have created trivia questions, including multiple choice, true false and single answer type questions. These are then color coded on a prize wheel. If the child answers the question, then they win a prize. We also have questions for adults. This is used at Community events such as Earth Day, River Festival, etc. Kid prizes include stickers, rubber sticky frogs, and rain ponchos. Adult prizes include rain ponchos, rain gages, and umbrellas with logos on them.

2. Flood Shower – The main focus of this activity is flood probability. There is a wheel to spin that determines how many shower heads go on in the shower stall. As part of the discussion, we work through the math with the kids for the flood probability. At the end, if they have not seen a 100-year flood, then we have the teacher or one of us go in and we turn on all of the shower heads. The kids have a blast. A key requirement for this activity is a water connection.
3. **Flood Safety Relay Race** – A new activity that is being planned is a flood safety relay race. There will be two teams racing against each other and it will have four stations:
   1) **Build Safe** – use cardboard building clocks to build a house out of the floodplain. To show the floodplain, we have a piece of blue fabric on the ground to designate the river and then white rope on each side with a label on it to show the floodplain. The kids then race to build the house outside of the floodplain boundary.
   2) **Emergency Supply Kit** – Kids decide what items to include in the kit and race to get their kit packed.
   3) **Turn Around Don’t Drown** – Kids put on a cardboard car cut-out and run up to a barricade with a sign on it that says “Turn Around Don’t Drown”. They must then turn around and run back to the starting line.
   4) **Climb to Safety in Case of Flash Flood** – Kids race up a hill to escape a flash flood. We will have the “Climb to Safety In Case of Flash Flood” signs staked into the ground as they go up the hill.

The first team to complete all four stations is the winner.

We have not done this activity, yet. We will be doing it for the first time on May 17th and can send pictures after the event.

4. **Virtual Reality** – Using the Google Cardboard viewer to show flood level in a 360 degree view at a past flood location. Photos and video will be added that can be clicked on to provide additional info such as damage photos and mitigation projects. This is in development for a flood anniversary later this year.

5. **Floodplain Detective Adventure** – An in-class presentation takes place first to introduce vocabulary and concepts before going out to a river location for the scavenger hunt. See the separate document for the Floodplain Detective Adventure worksheet. There is a spot on the back of the worksheet for the kids to spend time sitting on the riverbank and drawing what they see and labeling the features. This has been used with 5th graders.

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