

T-SHIRT & TP TUBE SHAKER

MATERIALS NEEDED - Class Size of 24 - Craft time of 55 minutes

Supplies needed for T-shirt

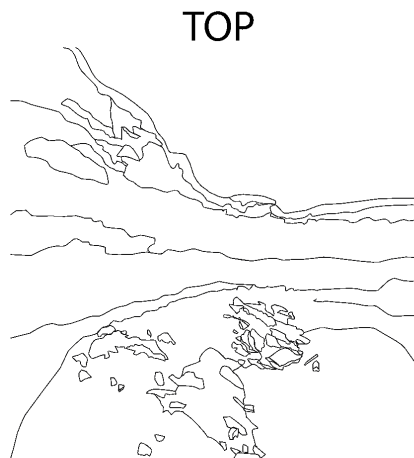
- 24 t-shirts (provided by students)
- Newspaper
- 24 falls outline templates
- 24 black permanent markers 1
- logo stamp
- 1 green inkpad
- 1 brown inkpad
- 1 blue inkpad
- 3 black inkpads
- 1 set of classroom stamps
- 3 tarps
- 3-3 3 sample pages of what the shirt looks like
- 1 sample t-shirt

Supplies needed for toilet tube shaker

- 24 toilet paper tubes (provided by student)
- roll 2" masking tape ripped into 100 4" sections
- 24 sets of tube cappers (2 per set)
- 24 tube covers (optional)
- Bag of rice
- Rice scooper
- Red tub to pour rice over
- Instruction paper on how to cut the caps

T-SHIRT:

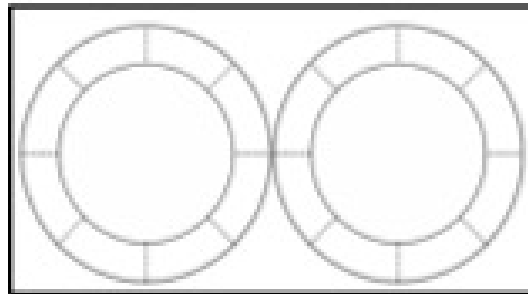
1. Pass out a marker, and a template to every student. Students should all have their own t-shirt. Make sure their name is written with a marker in the tag area. The template of the falls should have a label on it to distinguish which side is the TOP. The students can put this template underneath the shirt to trace it on the front of the shirt, or draw free hand. Details are not important. Drawing just a few lines curved in a similar fashion and a few circles at the bottom for the deposition gathering, will give the impression of the recession cave.



2. Once students are beginning to finish up, explain the rest of the craft. You will be assigning people to come up to the stamping stations to complete the shirt. For those that are waiting for their turn to stamp, they can begin the toilet paper tube shaker (see instructions below).
3. There will be 3 stamping stations. All stamping stations will have a tarp, inkpads, and stamps. All stamps and t-shirts need to stay on the tarps at all times. The stamps should not travel from tarp to tarp, and the inkpads should never be moved at all. **Ever.**
4. Before going to their first station, the students should take out and turn in their template and marker.
5. The instructions for each of the three stations are in the following steps (there is no order they need to go in, you facilitate; however the deposition station may take longer).
6. Weathering: 1 green inkpad, tree stamps x3, 1 brown inkpad, root stamps x3, 1 black inkpad, arrow stamps and 'weathering' stamps.
 - a. Students will be told ahead of time that all stamps should be used with one color only. The tree stamps will be with (right by) the green ink. They need to put 1 green tree stamp on the top of their falls cliff as shown in the example page at the station.
 - b. The root stamps will be with (right by) the brown ink. They need to put 1 brown root stamp directly below the tree, as shown in the example page.
 - c. And they need to use the black ink to stamp the word 'weathering' and to put an arrow pointing from the word to the roots, as shown in the example page. All of these stamps will be by the black ink.
 - d. The naturalist needs to monitor the stations to make sure the stamps are not migrating to other inkpads.
7. Erosion: 1 blue inkpad, water drop stamps, 1 black inkpad, arrow stamps and 'erosion' stamps.
 - a. Students will find the water stamps by the blue inkpad on this tarp. They will use one water drop to stamp over and over, creating a blue line of water 'falling' from the top line of their drawing down to the bottom, as shown in the example page at the station.
 - b. They will use the black ink to stamp the word 'erosion' and to put a black arrow pointing to the falling water, as shown in the example page.
8. Deposition: 3 black inkpads, rock stamps, (reverse) arrow stamps, 'deposition' stamps, a logo stamp.
 - a. On this tarp the students will only have black ink and will use one rock to stamp a cluster of rocks piled at the bottom of the falls, as shown in the example page at the station.
 - b. They will stamp the word 'deposition' and use the arrow to connect the word to the rocks, as shown in the example page.
 - c. They will also use the black ink to carefully stamp one MCPD logo on each of their shirtsleeves.
9. When they are finished, they should drape their shirt over the back of their chair and move on to making the TP shaker.

Toilet Paper Tube Shaker:

1. All students should have their own toilet paper tube and a set of caps provided by us.
2. When most of the students are finishing up on the t-shirt line drawing, lead the class in cutting out the two caps for the shaker. You have to illustrate on the board how to cut. There is also an example paper that you can project onto the board if your room is capable. Have them cut the OUTER circle of each one, then snip the dotted lines as spokes. The rest of the steps can be done at their own pace when their shirt is finished, or while waiting on their turn to do the shirt stamping.



3. They will fold the small tabs, created by snipping the spokes, to form a cup that can go on one end of the TP tube.
4. The student will walk to the area of the room where you have pre-ripped 100 pieces of masking tape and take 2 back to their desk. They will tape the cap on with these two pieces of tape, crossing them perpendicular over the center of the cap and wrapping them down onto the tube.
5. The student will then take their tube to the teacher (or helper that you have pre-assigned for the rice job) to get one small scoop of rice poured into their TP roll and pick up two more pieces of tape on the way back to their seat.
6. They will tape the second cap onto their tube in the same manner as the first sealing in the rice. (Naturalists are in charge of cleaning up all rice on the floor as best they can before leaving the program, so prepare your rice distributor well!)
7. Students can then put their name on the tube and decorate it, or decorate the tube cover paper supplied by us (include name) and glue it onto the outside of the tube. All decorations should be with the 'Weathering, Erosion, Deposition' theme.