



The Nature of the Bronx

TEACHER RESOURCE GUIDE

WONDERFUL WATER

Lesson 2: Make it Rain

Pre-Kindergarten



Nature of the Bronx

Wonderful Water

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Lesson Description

Drip, drip, drop! Join Bronx Children's Museum Education Director Nicole Wallace as she explores the water cycle by making a rainstorm in a jar.

Video Link: www.bronxchildrensmuseum.org/nbx-wonderful-water

Age/Grade	3-4 years old; Pre-Kindergarten
Time to complete activity	Total Time: 32-52 minutes • <i>Before You Watch: 10-20 minutes</i> • <i>Video Length: approx. 12 minutes</i> • <i>After You Watch: 10-20 minutes</i>
Learning Outcomes	Children will: • Understand that water comes in many forms and can be found in many places, including in their local environment • Compare and contrast the different stages of the water cycle
Standards	P-ESS1-1, P-ESS2-1, P-PS1-1
Materials	☐ Clear jar or container ☐ Shaving/whipped cream ☐ Color tablets, food coloring, or liquid watercolors ☐ Watercolor paper ☐ Pipette or straw
Vocabulary	• Precipitation: water that falls to the ground as rain or snow • Condensation: small drops of water that form on a cold surface

Tips for Success

- ☐ Watch the film on your own before showing it to children; identify any words or images that may require additional information or explanation.
- ☐ Prepare all the materials beforehand, and don't be afraid to substitute for what you have available.
- ☐ Stop the video or replay certain moments to allow for questions or comments from the children.

Before You Watch...

Do	☐ Set up the classroom for the activity. You might want to add tablecloths to the workspace, or ask children to wear smocks or aprons. ☐ Make sure each child has their own set of supplies. ☐ If children are participating remotely, make sure they have all the materials set up at home in advance.
Discuss	Choose a few questions from the list below to ask your children. Keeping your questions open-ended will get your children speaking more and allow them to express themselves more than a simple "yes or no" question. Offer your own answer to the question as a way to model conversation! • <i>Where can we find water?</i> • <i>How have you used water today?</i> • <i>What are the different types of water?</i>
Share	Remind children that doing the project takes time! Watch the video first, and do the project after.
Extend	Watch this video about the water cycle with the children.

After You Watch...

Do	☐ Fill each child's cup or jar $\frac{3}{4}$ of the way with water. ☐ Dissolve each color tablet in a small container with a little water. ☐ Squirt a large amount of shaving cream on top of the water. ☐ Allow children to use the pipette or straw to drip the colored water onto the shaving cream. ☐ Once the children are done creating their rainstorm, help them scoop out the shaving cream onto a tray. ☐ Have children gently press a sheet of watercolor paper onto the shaving cream to reveal a cool marbled print.
Discuss	Select a few questions to ask children about their experiences creating their rain storms. • <i>How much food coloring did you have to use in order to make it rain?</i> • <i>How long did it take to make it rain?</i> • <i>What happened when it rained?</i>
Share	• Ask children to explain the process of creating their rainstorms in sequential order: "First I did this...then I did this..." • Ask children to share their marbled prints with others (via live meet-ups, Google classroom, FlipGrid, etc.). Encourage each child to give comments on one thing they liked or would like to see more of.
Extend	Have your children make a rainstorm together by reading the Make it Rain DEP Story.

STEAM Share!

Share your class' work with BxCM! Take a picture of your marbled prints or make a video of the children showing and talking about their work.

Upload your photos here: www.bronxchildrensmuseum.org/artwork-upload.

For more information, contact:

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