

Forming Rain & The Weather Wheel



Science
Film
Festival

Knowledge
Through
Entertainment

Climate

Weather

Atmosphere

Environment

Science Film Festival Films

▶ [Messi Goes to Okido - Okido in Bloom](#)

▶ [Earth to Future - Is Our Weather Changing](#)

Learning Goals

- To learn about the different seasons.
- To learn how rain is formed.

Explanation of Scientific Principles

If too much water condenses around a particle or if the air temperature drops, the water will fall back to the surface. Liquid particles fall in the form of rain, while frozen particles fall as snow. This occurs when warm, moist air close to the ground either cools rapidly or becomes oversaturated with water vapor.

Explanation of Connection to the Film

The film shows the protagonist thinking about how rain occurs. In this activity, children will do a hands-on activity, which demonstrates how rain is formed in the clouds.

Materials (per team)

First Activity (Forming Rain)

- Clear Cup
- Shaving cream
- Blue food coloring

Second Activity (The Weather Wheel)

- White carton paper
- Printed cut and paste template (find below)
- UHU
- Scissors
- French pins
- Pastel Colors

Preparation

Second Activity:

- 1 Print out the cut and paste templates
- 2 Cut the circle and arrow out (Optional)



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First Activity

- 1 Ask the children, how rain occurs.
- 2 Explain to the children how rain is formed.
- 3 Place the cup, shaving cream, water and food coloring in front of the children.
- 4 Pour water inside the cup filling it three-quarters.
- 5 Put shaving cream on top of the water.
- 6 Add a few drops of food coloring on top of the shaving cream.
- 7 See what happens.

Second Activity

- 1 Hand out the printed templates and a white carton paper. Each child gets one template and one carton.
- 2 Glue the template onto the carton paper to create a firmer template.
- 3 Color the shapes inside the template.
- 4 Cut out the circle and arrow.
- 5 Punch a hole on the end of the arrow.
- 6 Punch a hole in the middle of the circle.
- 7 Using a pin, attach the arrow to the circle.
- 8 Now let them play the weather wheel!

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