



Water

Experiments, stories, activities, songs, arts & crafts ideas

Evaporation

What You'll Need:

- A cup
- Water
- A marker
- A timer



- **Step 1:** Place a full cup of water in front of a sunny window.
- **Step 2:** Use a marker to make a line at the beginning water level.
- **Steps 3 to:** Each hour, the timekeeper and assistant mark the water level and begin to look for changes.
- **Variation:** Put several cups in different places (in the sun, in the shade, near the heating...) and watch the differences in evaporation.

What happens: As the sun heats the water, it begins to evaporate. This experiment requires some patience, so while waiting, it is a great time to move on to other experiments or to read a story about water.

<https://www.playfullearning.net/resource/water-is-water-3-experiments-for-kids/>

Making rain

What You'll Need:

- A large plastic bottle cut in half
- Warm water
- Ice cubes or crushed ice
- Blue colour



Step 1: Cut a large plastic bottle in half.

Step 2: Put some warm water in the bottom of the bottle and colour it blue (ocean, river, lake...).

Step 3: Put the top half into the bottom half with the cap on. Fill the top with ice.

What happens: After a few minutes, clouds will form, and droplets will "rain" form on the top. It's raining!

<http://msdsgarden.blogspot.com/2010/05/making-rain.html>

Condensation

What You'll Need:

- 2 cups
- Hot water
- Ice cubes



Step 1: Fill a cup approximately two-thirds full of hot water.

Step 2: Take another cup, flip it upside down, and place it on top of the cup with hot water.

Step 3: Place an ice cube on top of the upside-down cup.

What happens: When the water vapour reaches the cup on top (sky), it will cool to form clouds.

<https://www.playfullearning.net/resource/water-is-water-3-experiments-for-kids/>

Precipitation

What You'll Need:

- A cup
- Water
- Shaving cream
- Food colouring

- **Step 1:** Fill a cup almost full with water.
- **Step 2:** Spray shaving cream as clouds on top.
- **Step 3:** Put several drops of food colouring on top of the shaving cream.

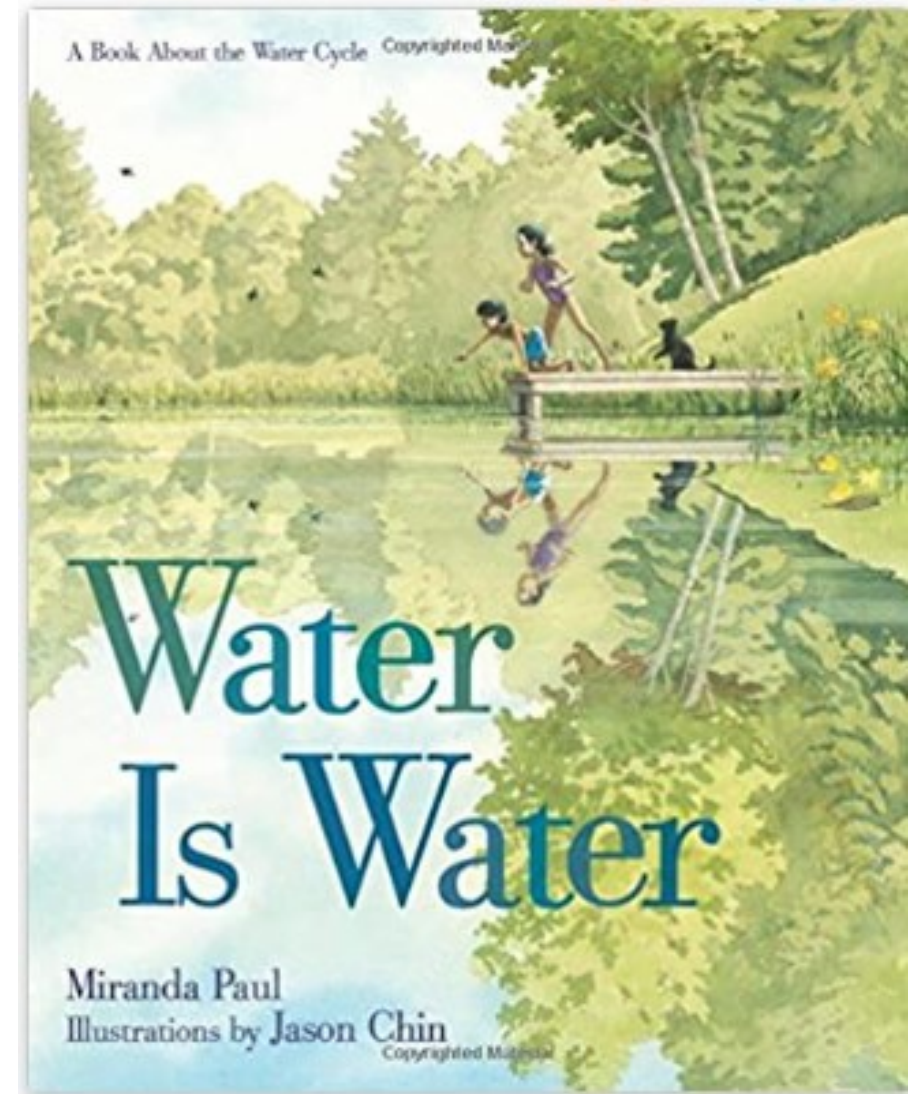


What happens: As the “cloud” becomes heavy, the food colouring will “rain” into the cup.

Stories about water

A group of kids move through all the different phases of the water cycle: from rain — to fog — to snow — to mist.

Miranda Paul creates a beautiful and poetic water journey.



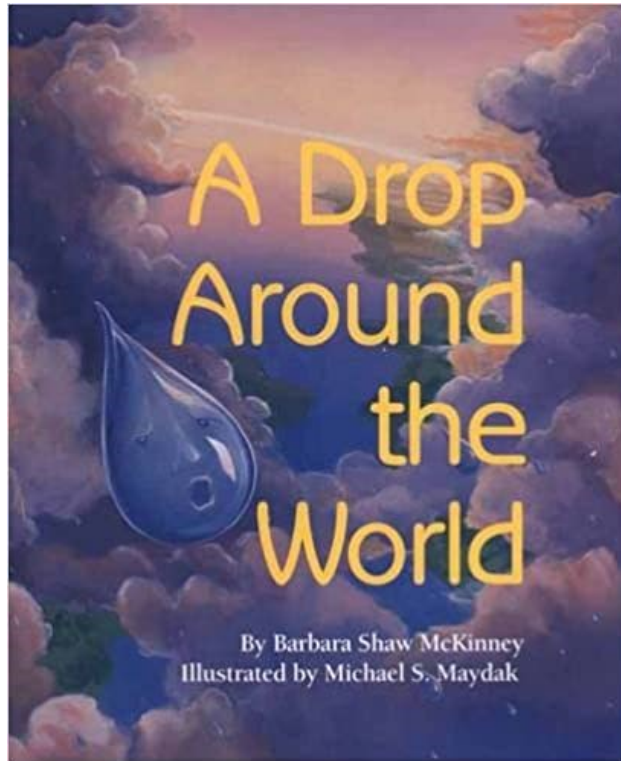


Stories about water

A single droplet of water moves and changes throughout one year.

The story traces the droplet's journey from snowflake — to mountain pond — to underground stream — to river — to irrigation system — to cloud — to reservoir — to city water system — to bathroom sink — to drainpipe — to cloud — and back to snowflake.

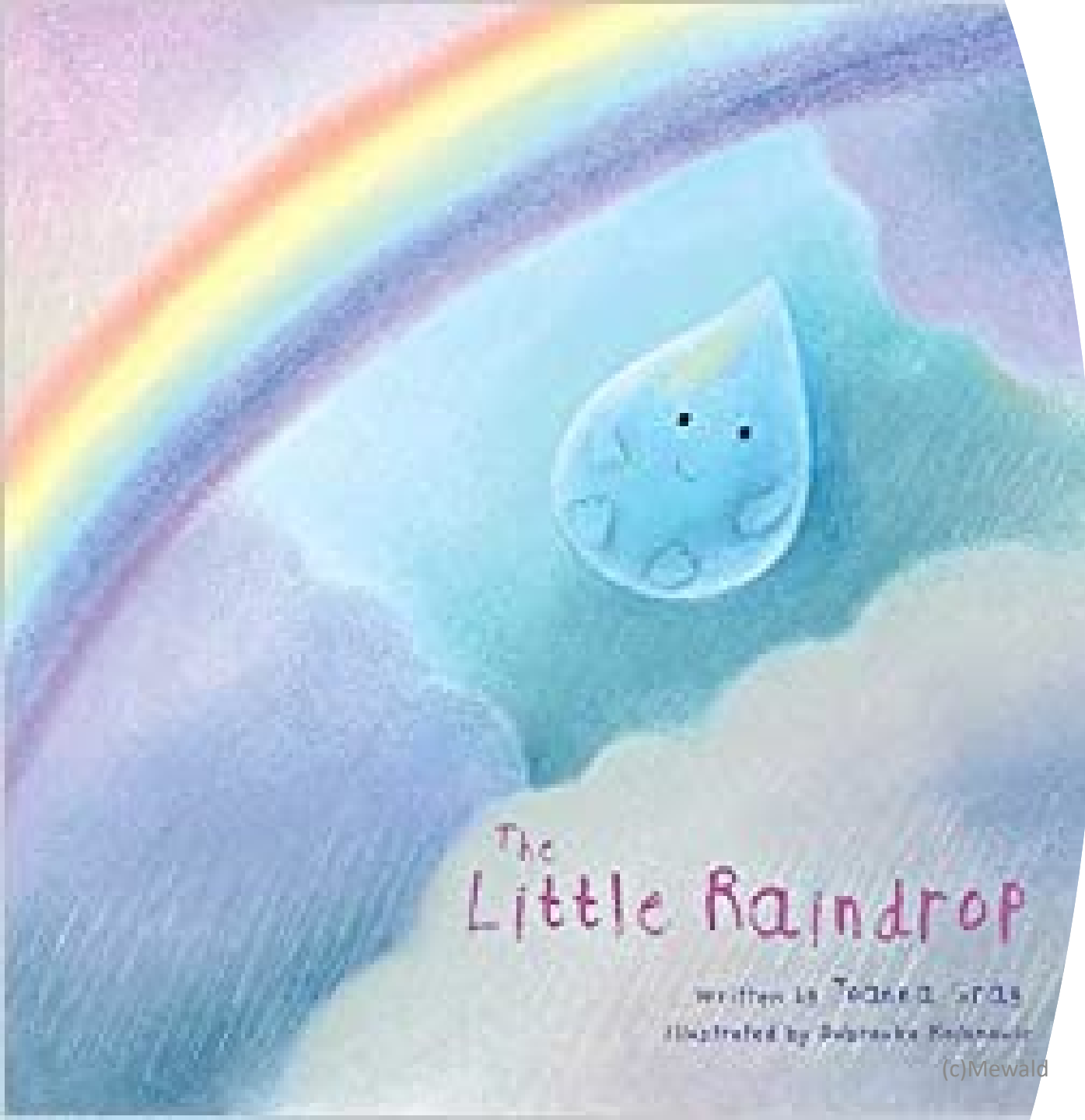
The story also introduces the names of the 12 months.



Stories about water

A drop of water travels around the world — in clouds — as ice and snow — underground — in the sea — piped from a reservoir — in plants — even in an animal.

Science of the water cycle meets poetic verse.

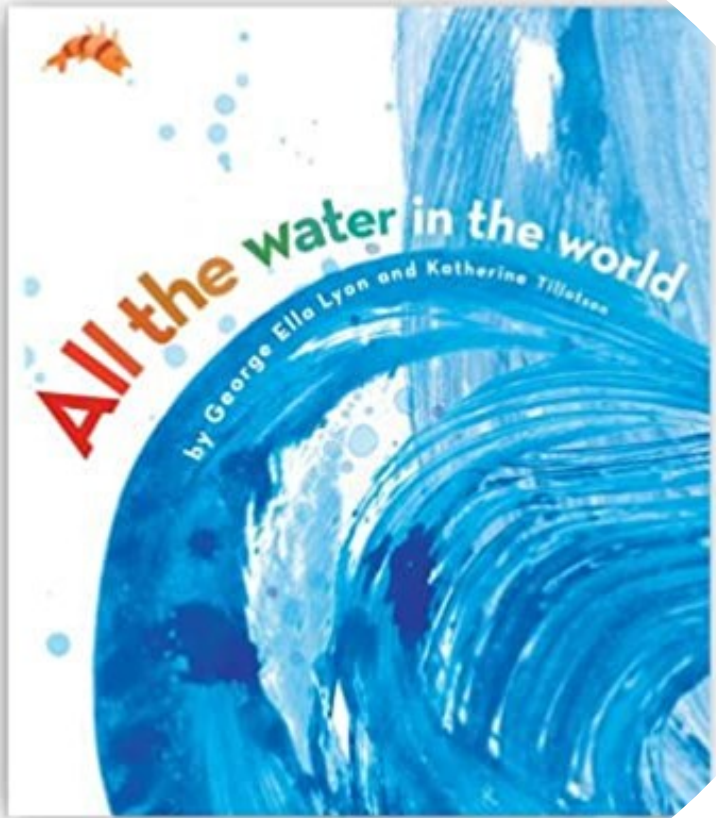


Stories about water

From cloud — to puddle — to stream: the Little Raindrop is making its way on the Earth's water cycle

An easy-to-follow plot teaches precipitation, water flow, and evaporation.

Stories about water



- From a view of the tiny blue planet Earth from space to the familiar: Telling about water coming from a hose, puddles, and a cup of water, the author explains the water cycle.

Story reflection

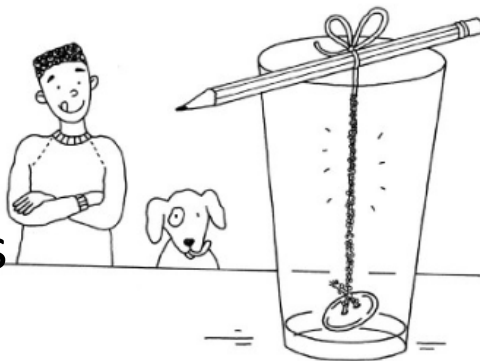
	in the story	in my life	in the experiment
EVAPORATION			
CONDENSATION			
PRECIPITATION			

Once a story has been read & understood and experiments have been completed, this worksheet will help children make the connections between the book, what they experienced in their own lives, and what they observed in the experiments.

Sugar Crystals on a String

What You'll Need:

- Pan
- Water
- Stove
- Sugar
- Measuring spoon
- String
- Pencil
- Glass
- Scissors
- Button



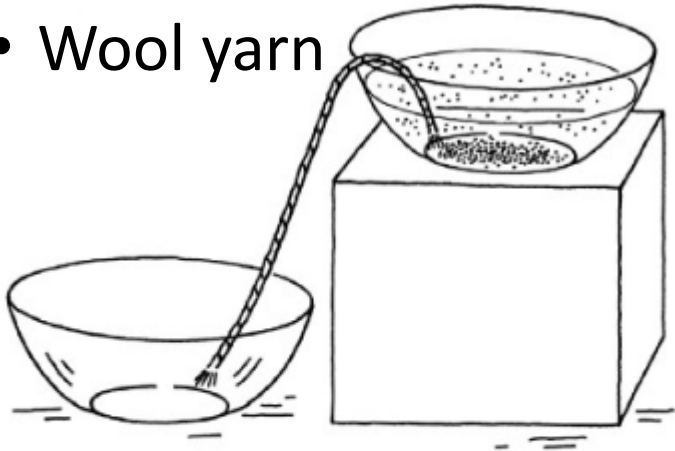
©2007 Publications International, Ltd.
**Change liquid to solid with sugar
crystals.**
2007 PUBLICATIONS INTERNATIONAL, LTD.

- **Step 1:** Bring a small pan of water to a boil on the stove and turn off the heat.
- **Step 2:** Add one tablespoon of sugar and stir until it dissolves.
- **Step 3:** Continue adding sugar, one tablespoon at a time, letting each tablespoonful dissolve completely before adding the next. When no more sugar will dissolve in the water, allow the saturated solution to cool.
- **Step 4:** Tie a string to the middle of a pencil and set the pencil across the rim of a glass. Cut the string so that it just touches the bottom of the glass. Tie a button onto the bottom of the string.
- **Step 5:** Pour the cooled sugar water into the glass. Rest the pencil across the rim of the glass so that the string and button are in the solution.
- **Step 6:** Allow the glass to sit in a warm place without being disturbed for several days so that the water evaporates. As the water evaporates, it will leave sugar crystals on the string. You've just made rock candy.

Water Purifier

What You'll Need:

- Cardboard box
- Two bowls
- Water
- Dirt
- Wool yarn




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Creating a homemade water purifier is easy.

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- **Step 1:** Set a cardboard box on a table with a bowl of clean water on top of it.
- **Step 2:** Gently drop a small handful of dirt into the water. Much of the dirt will remain suspended in the water, and the water in the bowl will be discoloured.
- **Step 3:** Set an empty bowl on the table right next to the cardboard box.
- **Step 4:** Twist together several strands of wool yarn to make a rope.
- **Step 5:** Put one end of this rope, or wick, into the bottom of the bowl of dirty water. Place the other end of the wick in the empty bowl. After a while, drops of clear water will drip off of the free end of the wick into the empty bowl.



10 little raindrops are sitting in a cloud
Ready steady, time to go,
we're falling to the ground!
Along comes  with an
outstretched hand,
Catches a little raindrop and watches
where it lands.

Out comes the sun and heats up all the
drops.
It slowly takes them to the sky,
and clouds begin to show.

Adapted from:

<http://www.silkysteps.com/pages-activities/rhyme-poster-sheets/rain-nursery-rhyme-10-little-raindrops-sitting-in-a-cloud-number-song-preschool-counting-kindergarten-maths-activity.html>

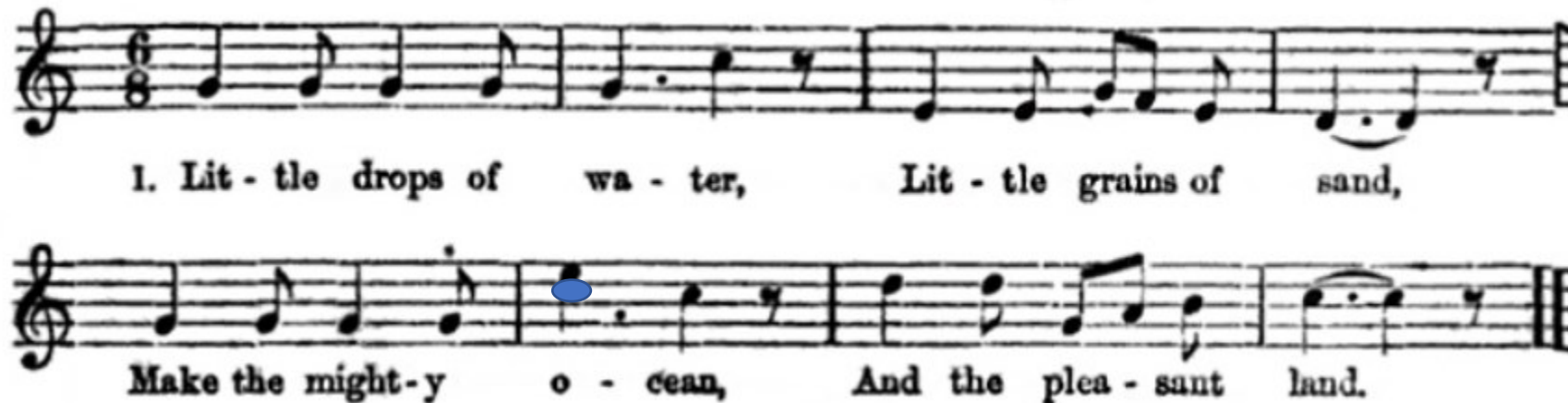
Raindrops rhyme

Water Songs

Little drops of water,
Little grains of sand,
Make the mighty ocean
And the pleasant land.

Little drops of water,
Little grains of sand,
Water in the ocean,
Water on the land.

<https://www.mamalisa.com/?t=hes&p=1403&l=L>



1. Lit - tle drops of wa - ter, Lit - tle grains of sand,
Make the might - y o - cean, And the plea - sant land.

The image shows two staves of musical notation in G major (one sharp) and 6/8 time. The first staff contains the melody for the first line of lyrics, and the second staff contains the melody for the second line. The lyrics are printed below the notes. A blue highlight is visible under the note for 'o' in 'ocean'.

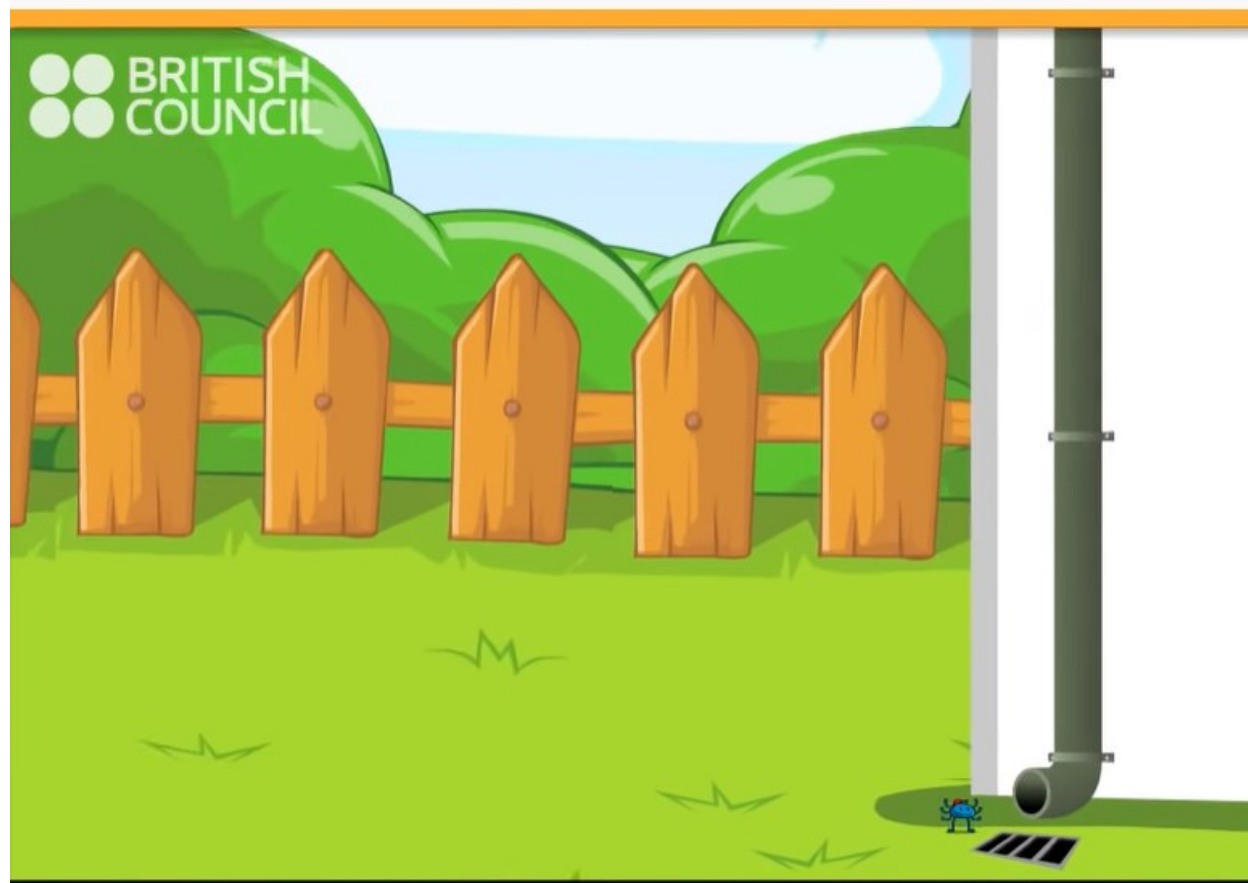
The Incy Wincy Spider

Rain, rain, go away

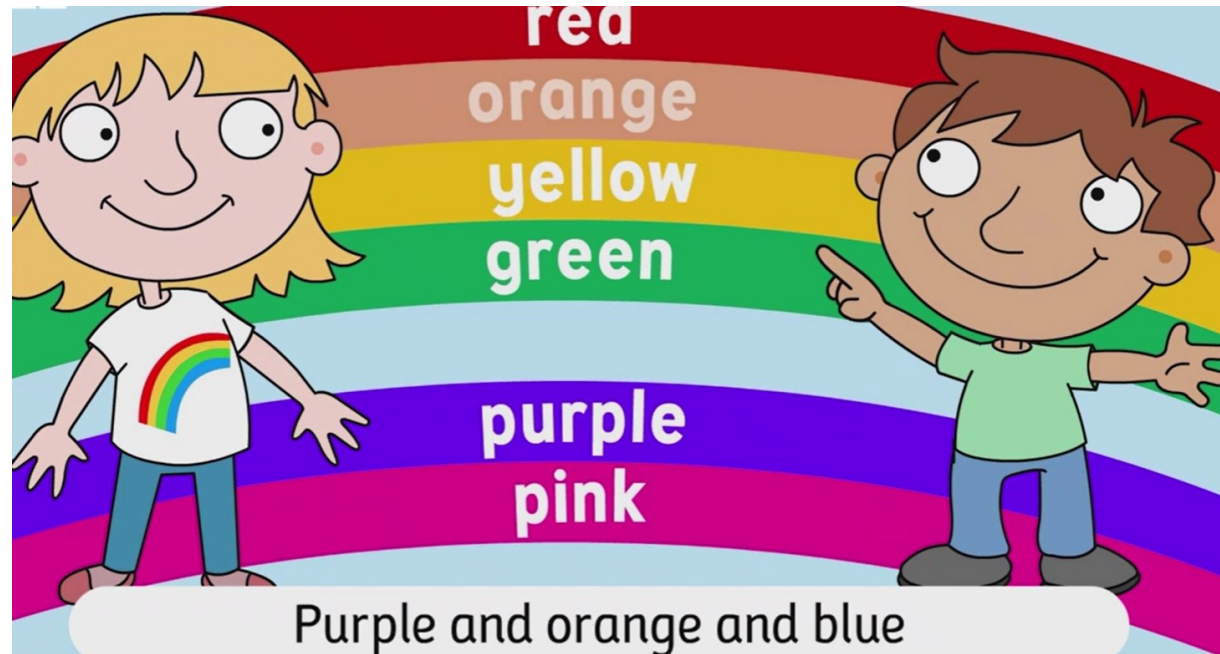
<https://www.youtube.com/watch?v=TbKI-ijpPx8>

https://www.youtube.com/watch?v=MBxeKG7_Hq4

<https://learnenglishkids.britishcouncil.org/songs/incy-wincy-spider>



I can sing a
rainbow



<https://www.bbc.co.uk/teach/school-radio/nursery-rhymes-i-can-sing-a-rainbow/zn3tqp3>

<https://learnenglishkids.britishcouncil.org/songs/i-can-sing-rainbow>

<https://www.youtube.com/watch?v=Gvjn-Se37Os>

I hear
thunder

I hear thunder

BBC Teach > School Radio > EYFS > Nursery Rhymes and Songs > All Nursery Rhymes and Songs A to Z



<https://www.bbc.co.uk/teach/school-radio/nursery-rhymes-i-hear-thunder/zdx8gwx>

<https://www.bbc.co.uk/teach/school-radio/nursery-rhymes-i-hear-thunder-andy-day/zvjrf4j>

<https://www.youtube.com/watch?v=iUch6grfKL4>

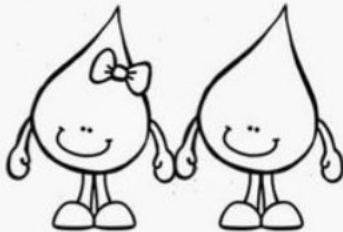
Water Cycle Song

(Tune: She'll Be Comin' Round the Mountain)

Water moves in a cycle yes it does
Water moves in a cycle yes it does

It goes up as evaporation
Forms clouds as condensation
Falls down as precipitation

Yes it does!



TUNE

<https://www.youtube.com/watch?v=yLxqRax8mTA>

youtube.com/watch?v=yLxqRax8mTA

Bookshelf Home <https://learningapp...> weltweitunterrichten UNESDOCUNESCO... <https://learningapp...> JSTOR: Login to JST...

YouTube^{AT}

BRITISH COUNCIL LearnEnglish Kids

Singing 'ay, ay, yippee, yippee ay!'

The image shows a screenshot of a YouTube video player. The video content features a cartoon cowboy with long hair, wearing a brown hat, a red vest over a white shirt, and blue jeans. He is standing in a desert landscape with cacti and mountains in the background. The video is from the British Council's 'LearnEnglish Kids' series. A black bar at the bottom of the video frame contains the text 'Singing 'ay, ay, yippee, yippee ay!''. The browser address bar shows the YouTube URL, and the top of the page displays various search and navigation links.



Water Cycle Rap

<https://www.youtube.com/watch?v=KM-59ljA4Bs>

Arts & Crafts

What You'll Need:

- Kitchen towel tube
- Tinfoil or coloured paper
- Black paper
- Yarn
- Egg carton cup (the part that one egg goes into)
- Googly eyes
- Tape
- Glue
- Scissors



Step 1: Cover the tube in tinfoil or coloured paper

Step 2: Colour the egg carton cup

Step 3: Accordion fold strips of black paper to make 8 legs

Step 4: Tape legs to the egg carton cup

Step 5: Glue a face on spider - use snippets of white paper or googly eyes

Step 6: Tie a piece of wool that is 2 1/2 times the length of the waterspout onto the spider

Step 7: Put the wool through the spout and attach a button at the end.

Step 8: Pull the end of the wool to make the spider climb up the OUTSIDE of the waterspout and let go of the wool so the spider falls down (when the rain washes the spider out).

<https://www.dltk-teach.com/rhymes/spider/craft.htm>

Resources

Science projects

<https://lifestyle.howstuffworks.com/crafts/science-projects>

<https://www.adabofgluewilldo.com/water-cycle-bottle-science-experiment/>

States of water & the water cycle

<https://www.youtube.com/watch?v=tuE1LePDZ4Y>

Water Cycle App

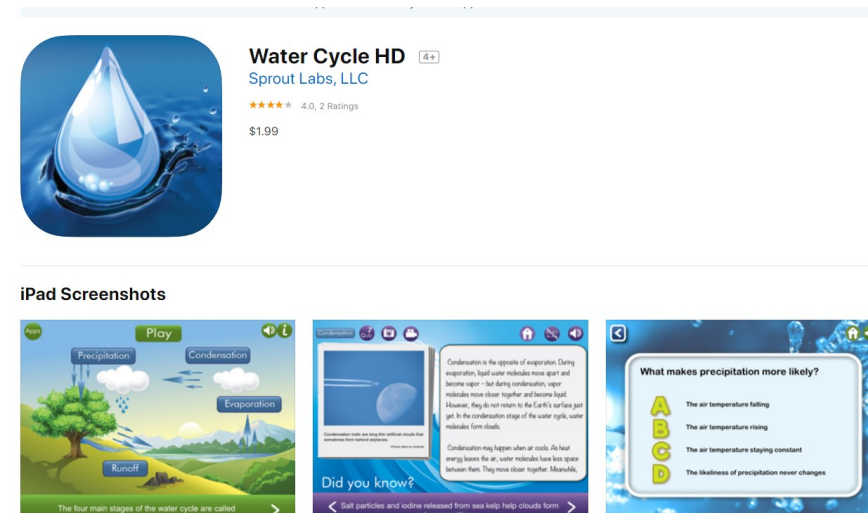
Input and quiz, language B1 and above

Mini Lesson Plan

<https://blog.littlelives.com/mini-lesson-plan-the-water-cycle-b8fd8a264cc3>

Water Cycle Activities for Preschoolers

<https://www.pinayhomeschooler.com/2018/04/preschool-water-cycle-activities.html>



Online Story

<http://www.first-school.ws/activities/science/drippy.htm>

Stories about water

<https://www.youtube.com/watch?v=4uUvXLv5go0>

Water Cycle Video

<https://www.youtube.com/watch?v=ncORPosDrjl>

Incy Wincy spider /Itsy Bitsy Spider

<http://leisurelanelegers.blogspot.co.at/2009/08/our-itsy-bitsy-spider.html>

<https://www.pinterest.at/pin/482800022544337355/>

<https://www.teacherspayteachers.com/Product/The-Itsy-Bitsy-Spider-The-Incy-Wincy-Spider-Worksheets-and-Activities-3320395>

<http://www.redtedart.com/incy-wincy-spider/>

<https://www.pre-kpages.com/itsy-bitsy-spider/>

<https://www.abcteach.com/documents/nursery-rhymes-itsy-bitsy-spider-preschool-primary-19230>