

# A Drop in the Bucket with 'Catch! The World's Oceans' Icebreaker

Intended for ages 5 and up

## Modification and Preparation List

**Adapt this NASA activity for your needs!**

### In-Person Library or Outreach Program

#### Materials:

- Inflatable Earth globe, or a Hugg-a-Planet Earth
- 5-gallon water container
- Measuring cups
- Eye dropper
- 5 gallons of water
- Small, clear container
- *Optional:* calculator
- *Optional:* writing space viewable by the entire group, such as a white board or poster paper and markers, or a blackboard and chalk

#### Facility needs:

- An area (*outdoor or indoor*) large enough for participants to comfortably stand in a large circle and where a ball can be safely tossed.

#### Preparation:

##### 1-3 months prior to program:

- Prepare and distribute promotional materials for the activity, including flyers, posters, library website, online event calendar, and social media posts.
- Order/gather materials.



## In-Person Library or Outreach Program (*continued*)

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### *The day before the program:*

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- Prepare an area large enough for all participants to stand in a circle.
- Fill the 5-gallon water container with water.
- Place measuring cups, eye dropper, and small clear container next to the bucket.
- *Optional:* set up a writing space next to the bucket so all participants can see what you write.
- Inflate the Earth globe (*if necessary*).
- Review the [Catch! The World's Oceans](#) and [A Drop in the Bucket](#) activity guides.

### *Day of program:*

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- Invite participants to join in an icebreaker with [Catch! The World's Oceans](#).
- After the icebreaker, begin [A Drop in the Bucket](#) demonstration.
- Conclude with discussion on how people can conserve water in their homes, schools, and communities.

## Virtual Program Demonstration:

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### Materials:

#### *In addition to the above materials, you will need:*

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- Computer and Internet access
- Web camera
- Microphone

### Preparation:

#### *1-3 months prior the program*

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- Set up a registration link for the program using an online platform such as Zoom, GoTo Meetings, or Facebook Live
- Promote program on social media, library website, event calendar, etc.
- Watch the [NASA@ My Library STEAM Strategies: Virtual Programs video](#)
- Order materials

# Virtual Program Demonstration (*continued*):

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## Day of program:

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- Set up and test your computer, camera, and microphone.
- Fill the bucket with water and arrange it next to you with the other materials in view of the camera.
- Log in to your online platform account and open the meeting at least 15 minutes before the start of the program.
- At the start of the program, welcome everyone and invite them to introduce themselves in the chat or unmute themselves to talk.
- Consider an icebreaker that people can participate in the chat, such as “Share your favorite marine animal.”
- For younger patrons, show the NASA Space Place video: [How Much Water is on Earth?](#). For older patrons, consider showing one or more of the following videos:
  - [NASA: Show Me the Water](#)
  - [Earth's Changing Freshwater Monitored by NASA](#)
  - [For 15 Years, GRACE Tracked Freshwater Movement Around the Globe](#)
- Proceed with the [A Drop in the Bucket](#) demonstration, inviting participants to share their answers in the chat or unmute themselves.
- Conclude with discussion on how people can conserve water in their homes, schools, and communities.