

Explorers

“In the Water”

Week 5 Materials



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In the Water Materials Prep

For each *Explore It* theme, we'll let you know what materials are needed for each module (each day) of the theme, and we'll also let you know if there's materials prep you can do before the themed week kicks off. Ideally, it's great to do this prep together as a family!

Note that for nearly every activity, if you're missing a material or two, you'll likely be fine! These activities are designed to be flexible.

- We recommend that all Explorers (age 7-10) use an Explorer Notebook across the *Explore It* experience. If you can, get one they can decorate themselves!
- In Module 14, Explorers will be making their own bubble wands. We provide a recipe for making your own bubble solution if you would like to do so. **We recommend that you prepare the bubble solution a day in advance if possible**, so the solution has time to sit. If you cannot, or would prefer to make it the same day as when you do the adventure, that is also ok!
 - To make the bubble solution: In a bucket, pail, or large container, mix 1 cup of dish soap per gallon of water.

Module 13 (Monday, August 3)

Activities: Sink or Float Warm-Up, Design A Boat, Invent An Underwater Creature

- 1 Large bowl, plastic bin, or bathtub
- 30+ Small weights: pennies, washers ($\frac{3}{4}$ " or $\frac{5}{8}$ "), or small rocks - whichever you choose, they all need to be the same!
- Additional boat materials, such as plastic containers, craft sticks, plastic bags,

styrofoam, berry containers, rubber bands, duct tape, etc.

- Aluminum foil
- Explorer Notebook or a piece of paper (2)
- Markers, crayons, or colored pencils
- Materials to test, such as items from nature (leaves, pinecones, grass, stones), plastic toys or figurines, aluminum foil, wax paper, orange, banana, plastic and/or metal spoons, etc.
- Pencil or pen
- Recycled items, such as egg cartons, yogurt containers, cardboard boxes, etc.
- Ruler or measuring tape
- Scissors
- Tape, glue, or string
- *Optional: Assorted craft materials, such as pipe cleaners, craft sticks, stickers, paper, yarn, etc.*
- *Optional: Old plastic tablecloth, tray, or outdoor space*

Module 14 (Tuesday, August 4)

Activities: Fireworks in a Jar, Cleaning an Oil Spill, Bubble Wands

- 1 Bucket/pail/container for bubble solution
- 1 Cup of dish soap
- 1 Gallon of water
- 1 Tall glass, jar, or beaker
- 25+ Pipe cleaners
- Cooking oil (vegetable, corn, olive, any kind is fine)
- Cotton balls
- Cup, bowl, or plastic container for the oil
- Dish soap
- Explorer Notebook or a piece of paper (2)
- Food coloring
- Large bowl, pie pan, or small tin pan
- Paper towels
- Pencil or pen
- Small jar (*Optional: lid for jar*)
- Spoon
- String or yarn
- Tablespoon
- Vegetable or cooking oil (about 2 tablespoons)
- Water

- *Optional: Eye dropper, cotton, or cheesecloth*
- *Optional: Old plastic tablecloth, tray, or outdoor space*
- *Optional: Other materials to try using for bubble wands, such as string, plastic straws, fly swatters, recycled containers, etc.*

Compiled Materials, Modules 13 & 14 (August 3-4)

- 1 Bucket/pail/container for bubble solution
- 1 Cup of dish soap
- 1 Gallon of water
- 1 Large bowl, plastic bin, or bathtub
- 1 Tall glass, jar, or beaker
- 25+ Pipe cleaners
- 30+ Small weights: pennies, washers ($\frac{3}{4}$ " or $\frac{5}{8}$ "), or small rocks - whichever you choose, they all need to be the same!
- Additional boat materials, such as plastic containers, craft sticks, plastic bags, styrofoam, berry containers, rubber bands, duct tape, etc.
- Aluminum foil
- Cooking oil (vegetable, corn, olive, any kind is fine)
- Cotton balls
- Cup, bowl, or plastic container for the oil
- Dish soap
- Explorer Notebook or a piece of paper (4)
- Food coloring
- Large bowl, pie pan, or small tin pan
- Markers, crayons, or colored pencils
- Materials to test, such as items from nature (leaves, pinecones, grass, stones), plastic toys or figurines, aluminum foil, wax paper, orange, banana, plastic and/or metal spoons, etc.
- Paper towels
- Pencil or pen
- Recycled items, such as egg cartons, yogurt containers, cardboard boxes, etc.
- Ruler or measuring tape
- Scissors
- Small jar (*Optional: lid for jar*)
- Spoon
- String or yarn
- Tablespoon
- Tape, glue, or string

- Vegetable or cooking oil
- Water
- *Optional: Assorted craft materials, such as pipe cleaners, craft sticks, stickers, paper, yarn, etc.*
- *Optional: Eye dropper, cotton, or cheesecloth*
- *Optional: Old plastic tablecloth, tray, or outdoor space*
- *Optional: Other materials to try using for bubble wands, such as string, plastic straws, fly swatters, recycled containers, etc.*