

Junior Explorers “In Outer Space”



Week 3 Materials

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In Outer Space 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.

- For Module 8, we're getting messy with slime! We recommend doing this activity outside or on a covered surface inside your home. It's also a good idea to wear a smock or "messy" clothes! One of the ingredients, food coloring, can stain so use liquid watercolor (links to purchase below) if you are afraid of stains. If this activity is too messy for you-- pick one of your child's favorite activities from a previous module to do instead.
- For Module 9, we're constructing a moon habitat using rolled up newspapers. It is best if you have a few day's worth of newspapers to work with-- so start saving them ahead of time!

Module 7 (Monday, July 20)

Main Activities: Sun and Shadows & Astronaut Glove Box

Art Supplies

- Colorful construction paper
- Crayons, markers, or colored pencils

For *Sun Prints*

- Small rocks or heavy objects to weigh down paper or lighter objects from blowing away in the wind
- Flat objects with interesting shapes. Some suggestions include:
 - Natural materials (leaves, flowers, shells)
 - Cookie cutters
 - Small toys
 - Coins
 - Coasters
 - Beads
 - Buttons

For *Tracing Shadows*

- Toys or objects that your child can trace the shadows of. Things that stand up on their own and have interesting shapes work best. Some suggestions include:
 - Toy figurines or vehicles
 - Blocks or building toys
 - Cups
 - Small house plants

For *Astronaut Glove Box*

- Box cutter, utility knife, or scissors (for adults only)
- [Kid sized gloves](#) (can use rubber gloves, gardening gloves, or winter gloves)
- Plastic wrap (optional)
- Plain paper
- Crayons, markers, or colored pencils

Some suggested tools:

- [Magnifying glass](#)
- [Eye dropper](#) or [pipette](#) with a small cup of water
- Tongs
- Ruler
- Spoon

Some suggested items for inside the box:

- Natural materials (rocks, leaves, sticks, flowers)
- Small toys (figurines, toy cars, small balls)
- Building blocks
- Small plastic containers for sorting

Module 8 (Tuesday, July 21)

Main Activities: Slime & Zipline Rockets

For *Slime*

- Cornstarch (2 cups)
- Water
- Food coloring or [liquid watercolor](#)

- Spoon for mixing
- Large bowl, tray, or container for slime

Optional items to add to your slime:

- [Glitter](#)
- [Googly eyes](#)

Suggested tools for your child to explore slime with:

- Small plastic toys such as alien or space figurines, small animals, or legos
- Small plastic containers or bowls to pour slime in and out of
- Small colanders
- Spoons or sand shovels

For *Zipline Rockets*

- [Fishing line](#)
- Tape
- Paper
- Coloring supplies
- [Legos](#) or Duplos
- Alternatives INSTEAD of Legos:
 - Dixie cups
 - Paper clips
 - Scrap paper
 - Recycled materials (yogurt cups, egg cartons, etc)

Module 9 (Wednesday, July 22)

Main Activities: Moon Habitat & Planet Collage

For *Moon Habitat*

- A few days worth of newspapers. *If you don't have newspapers, you can also use scrap paper or wrapping paper.*
- Masking tape
- Decorating supplies (scrap paper, markers, etc)

For *Planet Collage*

- Large circular objects (for example: salad bowls, plates, lids)
- Plain paper
- Dark colored markers
- Scrap paper (old magazines, construction paper, newspaper, wrapping paper, tissue paper, etc)
- Glue stick
- Newspaper, plastic table cloth, or other table covering (to protect your table from a mess!)

Compiled Materials, Modules 7, 8, & 9 (July 20-21)

Compiled materials list for the week of July 20 (this is all the stuff needed for Modules 7, 8, and 9!)

- Colorful construction paper
- Crayons, markers, or colored pencils
- Small rocks or heavy objects to weigh down paper or lighter objects from blowing away in the wind
- Flat objects with interesting shapes. Some suggestions include:
 - Natural materials (leaves, flowers, shells)
 - Cookie cutters
 - Small toys
 - Coins
 - Coasters
 - Beads
 - Buttons
- Toys or objects that your child can trace the shadows of. Things that stand up on their own and have interesting shapes work best. Some suggestions include:
 - Toy figurines or vehicles
 - Blocks or building toys
 - Cups
 - Small house plants
- Box cutter, utility knife, or scissors (for adults only)
- [Kid sized gloves](#) (can use rubber gloves, gardening gloves, or winter gloves)
- Plastic wrap (optional)
- Some suggested tools:
 - [Magnifying glass](#)
 - [Eye dropper](#) or [pipette](#) with a small cup of water
 - Tongs
 - Ruler
 - Spoon
- Some suggested items for inside the box:
 - Natural materials (rocks, leaves, sticks, flowers)
 - Small toys (figurines, toy cars, small balls)
 - Building blocks
 - Small plastic containers for sorting
- Cornstarch (2 cups)
- Water
- Food coloring or [liquid watercolor](#)
- Spoon for mixing
- Large bowl, tray, or container for slime:
- [Glitter](#)
- [Googly eyes](#)

- Suggested tools for your child to explore slime with:
 - Small plastic toys such as alien or space figurines, small animals, or legos
 - Small plastic containers or bowls to pour slime in and out of
 - Small colanders
 - Spoons or sand shovels
- [Fishing line](#)
- Tape
- Paper
- Coloring supplies
- [Legos](#) or Duplos
- Alternatives INSTEAD of Legos:
 - Dixie cups
 - Paper clips
 - Scrap paper
 - Recycled materials (yogurt cups, egg cartons, etc)
- A few days worth of newspapers. *If you don't have newspapers, you can also use scrap paper or wrapping paper.*
- Masking tape
- Decorating supplies (scrap paper, markers, etc)
- Large circular objects (for example: salad bowls, plates, lids)
- Plain paper
- Dark colored markers
- Scrap paper (old magazines, construction paper, newspaper, wrapping paper, tissue paper, etc)
- Glue stick
- Newspaper, plastic table cloth, or other table covering (to protect your table from a mess!)

Note that some of these items are considered “small parts” (googly eyes, beads, buttons) and could pose a choking hazard. Adult supervision required.