

# Grades 3 - 5 Activity Starters Thinking and Problem Solving

#### **Campfire Stories**

Build a campfire. Take turns telling a story around the campfire.

*Extension:* Tell a story as a group. One person starts the story saying one sentence. Then each person, going in a circle, adds to the story by adding one sentence.

https://le-www-live-s.legocdn.com/sc/media/files/support/preschool/make/0402\_campfirestorytime\_printout\_101917edit-611b2aa8598ce3d25ad2126ca3967d15.pdf

#### Polly in the Air

Polly dreams of flying. She likes to fly her kite, but wonders how she could fly. Help make Polly's dream come true by designing something she can fly in. What are different ways that she could fly? Design a flying machine for Polly, making sure there is room for her to ride in it.

*Extension:* What adventure will Polly take now that she can fly? What will she see from her flight? Create a story with a beginning, middle, and end that tells the story of Polly's adventure. https://le-www-live-s.legocdn.com/sc/

media/files/activities/preschool/9335-polly-in-th-air-95f648e71669790a2e5c6bdf-350dcb14.pdf



### Space Buggy Exploration

Can you help Allan and Sheila collect rock sample? Design and build a space buggy that they can use to move around the planet and collect different samples. Think about what your vehicle needs to include in order to collect and store the rock samples. Think about how the vehicle can move across different surfaces on this new planet.

*Extension:* Design the surface of the new planet. What will the surface be like? Describe the physical properties of the surface (bumpy, smooth, jagged, rough, etc.). What will the astronauts find there? Tell a story about what the astronauts find there.

https://le-www-live-s.legocdn.com/sc/media/files/activi ties/preschool/9335-space-buggy-explorations-6eb78a6d3f 07d18d601e148a635ff674.pdf

## Space Calling Earth

Can you help the scientist at the space station design and build a satellite? Have your child think about what a satellite looks like and how it moves in orbit. What are the parts the satellite will need to send information back to Earth?

*Extension:* What are some types of data that

satellites share with Earth? One type is weather data. Create your own scene to provide the weather data sent by pretending you are giving a weather forecast.

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