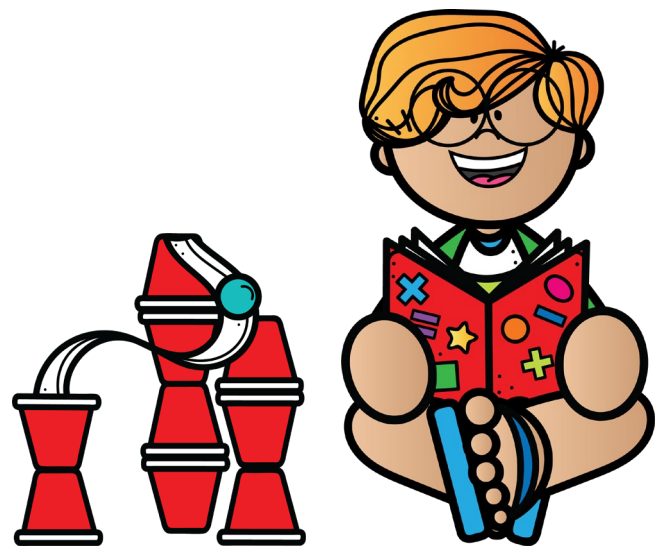


Maker Challenges for at Home Learning.





ADST Maker supplies you might have around the house.

- Cardboard tubes
- Cotton balls
- String
- Tape
- Index Cards
- Newspaper
- Cardboard boxes
- Pipe cleaners
- Glue sticks
- Construction paper
- Paper plates & bowls
- Plastic cups
- Scissors
- Tin foil
- Playdough
- Clay
- Zip ties
- Bread bag ties
- Bottle lids
- Toothpicks
- Straws
- Paper clips
- Popsicle sticks
- Coffee filters
- Yogurt containers
- Milk jugs
- Paints
- Felt Markers
- Pencil crayons
- Chalk
- Binder clips
- Wood scraps
- Fabric scraps
- Stapler
- Ribbon
- Found objects
- Marbles
- Pens
- Paper
- Rocks and gems
- Sticky notes
- Ruler
- Dowelling
- Chopsticks
- Duct tape
- Wire
- Clothes pins
- Sequins
- Double sided tape
- Beads
- Yarn
- Rope
- Q-tips
- Glue gun
- Rubber bands
- Brass fasteners
- Buttons
- Stamps
- Ribbon
- Stickers
- Pom poms
- Pop bottles
- Felt
- Cupcake liners
- Bamboo skewers
- Pencils
- Plasticine
- Plastic cutlery
- Masking tape
- Plastic tubes
- Sharpie felts
- Erasers
- Tissue paper
- Thread
- Twine
- Ziploc bags





3 Maker Challenges to try at home

1. After reading your favorite story or book, design and build a model of your favorite scene or chapter. Try and include all the details that make your book special to you. Challenge yourself to create the characters from the book as well.

2. Using only minimal materials design and build a bridge that can hold the most weight, or span the longest distance before falling. Try to include real bridge structures like arches or trusses. Challenge your friends in your class to beat your distance. Take pictures and share with your classmates - Fresh grade or Teams.

3. Design and build a boat that floats. Your boat should also be able to hold weight; this could be passengers or freight. How much weight can your boat hold? How many passengers fit comfortably? What could you use to make your boat more sturdy? Could your boat become a tug boat and pull other ships through the water?



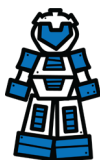
More Maker Challenges to try at home



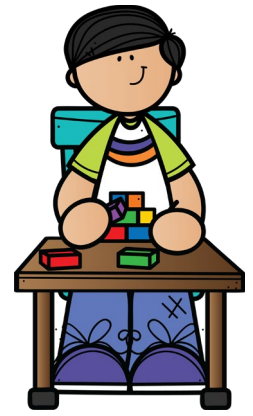
1. If you could design the ultimate dream playground, what would it include? Would you have swing sets and a slide or climbing apparatus and gaga pit? For this challenge you are going to design and build your dream playground. You should try and include at least 5 elements. Add labels to your model to share with friends.

2. Using only minimal materials design and build a treehouse or fort that you would like to play in. Be creative and add all of things that would make it the perfect place to hangout. You may want to include a tire swing, reading nook or even a draw bridge. The possibilities are endless. Document your design using pictures or drawings.

3. Design and build a found objects robot. Your robot should have at least two moving parts. What job could your robot do? Give your robot a name and write a story that describes a day in the life of your robot, You could add pictures or drawings of your robot in action to your story as well.



Even More Maker Challenges to try at home



1. If you could design the ultimate amusement park what would it look like? For this challenge you are going to design and build a model amusement park with at least 5 elements. Your elements could include a rollercoaster, tube ride or even a super dog obstacle course.

2. Using only cardboard and a few other items design and build a Cardboard palace or fortress. Try your hand at making windows and doors and other features like draw bridges or curved towers.

3. Design and build a model house for your pet or favorite stuffed animal. Think about all the things your pet would need; food and water, a snuggly bed to sleep in. Document your build using drawings or pictures that you could share with your classmates.

