Building a Covered Wagon

Your mission is to:

Build a covered wagon that will be able to ford the river (i.e. a kiddie pool) on a raft on Pioneer Day.

Creativity is highly recommended. Below are some suggested materials and steps. Record your experience on the provided sheets. As self-aware and engaged learners, be resourceful, inventive, and imaginative! Have fun!

We can’t wait to see your covered wagon creations on Friday, April 8, 2016.
Possible Things You'll Need

- 1/2 gallon juice or milk paper carton
- Thin or thick corrugated cardboard
- Masking tape
- Brown paper bag
- String, twine or yarn
- 4 plastic container lids
- 3 wide straws
- 4 small straws
- 4 feet coat hanger wire
- Scissors
- White glue
- Hot glue
- 13 craft sticks
- 12 to 16 skill sticks
- Pipe cleaners
- Flexible rubber tubing
- Thin balsa strips
- Bendable straws

Back-up Instructions

1. Slice straight along the bottom edge of the spout on a half-gallon paper juice or milk carton and cut straight down both sides and along the bottom to form two halves. One half carton is the wagon box so you can give the other half to your partner. Cover the wagon box with masking tape to resemble boards or wrap it in brown paper bag.

2. Cut two cardboard rectangles about one inch wide and tall enough to stick out above the carton edge about two inches.
   - Glue them in the corners at the spout end.
   - Cut two or three more rectangles the width of the carton glue them to the side supports to form a wagon seat and back.
3. Cut six pieces of wide straw the height of the wagon box. Glue two in the back corner and two just behind the seat (one on each side). Place the third pair opposite one another at the midpoint on the inside edge of the sideboards. Bend 12-inch lengths of flexible coat hanger wire into arches and insert the ends into the straw supports over the wagon.

4. Cover the arch supports with a sheet of brown paper bag or white cotton cloth. Tie the cover to the wires or glue to the sideboards of the wagon bed.

5. Trace a plastic container lid four times on thick cardboard. Draw a wagon wheel pattern on one side. You may choose whether to use the cardboard wheels alone or glue them to four plastic lids for a sturdier wheel.

6. Tape a length of wide straw the width of the wagon bed to the front and back on the underside. Run a thin straw or wire axle through each straw support so it sticks out a little on each side. Hot glue the wheels to the axles.

Remember, be resourceful, inventive, and imaginative!
To begin, draw a few drafts of your covered wagon.
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Draw or tape down a picture of your wagon.

Purpose: Restate the project's goal.

Procedures: Record the steps you've taken to get to your final wagon creation. Record ALL trials. Number your steps.
{If necessary, use a loose leaf to continue recording your steps.}

**Conclusion:** What have you learned during this process? How did you grow as a faith-filled learner, responsible decision maker, and self-aware and engaged learner?

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