



CANADIAN
PARENTS
FOR FRENCH
SASKATCHEWAN

Virtual Fête du soleil

Les robots/Robots

Do-It-Yourself Activity Guide

Vocabulaire/Vocabulary

1. Un ordinateur - A computer
2. L'intelligence artificielle - Artificial Intelligence
3. Futuriste - Futuristic
4. Un ingénieur - An engineer
5. Une puce électronique - A microchip
6. Le codage - Coding
7. Un robot - A robot
8. Des boulons - Bolts
9. Une main de griffe - A claw hand
10. Des engrenages - Gears

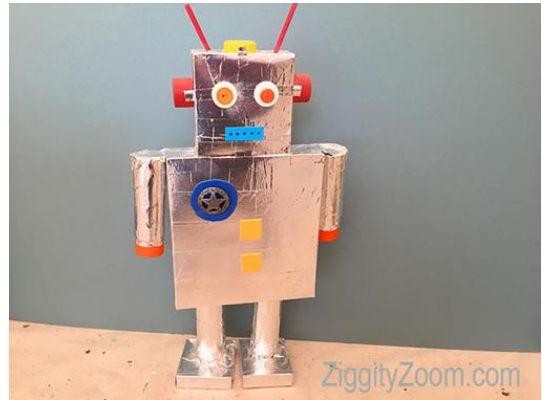
Bricolage/Craft

Un robot de recyclage/Robot Recycler

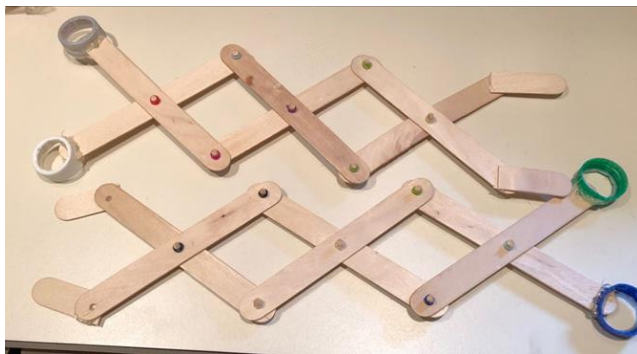
Materials: boxes, paper tubes, button, straws, bottle caps, etc., aluminum foil or metallic-type duck tape, scissors, masking tape/clear tape, glue

Instructions:

1. Find two boxes for the head and body. A good sized box for the body would be like a cracker box or similar size with a smaller box for the head.
2. Find four toilet paper tubes or two paper towel tubes for the arms and legs.
3. Find other objects for the eyes, antennas, and other decorations.
4. Using tape, attach all parts of the robot together.
5. Cover in aluminum foil.
6. Glue on the eyes, antennas, and other decorations.



Constuire une griffe/Build a Robotic Arm



Materials: popsicle sticks, bottle caps, scissors, wooden skewers, exacto knife

Instructions:

1. Put holes near both ends and one in the middle in all 6 popsicle sticks (holes done with skewer).
2. Cut 6 pieces from skewer (try to make them equal in size).
3. Cross 2 sticks together and stick a skewer piece to go through both their middle holes.

4. Then on the holes at the top of sticks stick two more skewer pieces (one in each hole= 2 skewer pieces then connect to more popsicle sticks (building on each with the X pattern).
5. Then cut out centers of both bottle caps (with exacto knife) and make a slit in the side to slide onto ends of popsicle sticks.
6. Cut both ends of a popsicle stick and glue them onto the ends of the popsicle sticks opposite to those who have the bottle caps.
7. Cut down skewer ends on both side of claw so they don't stick out as much.

Cuisine/Cooking

Le carburant robot/Robot Punch

Ingredients: cranberry juice, blue Gatorade, 7-Up, ice cubes

Instructions:

1. Fill the glass or drink dispenser with Ice.
2. Pour in the Cranberry Juice.
3. Next Pour in the Blue Gatorade Frost, BUT make sure that when you're pouring the Blue Gatorade Frost that you pour straight onto some of the ice to gently add the layer. If you pour it directly into the juice it will mix!
4. Next, pour in the 7-Up, also pour onto an ice cube to prevent them from mixing.



Biscuits de micro bisures/Micro-Chip Cookies

Ingredients: ½ cup softened butter, ¾ cup brown sugar, 1 egg, ½ tsp salt, ½ tbsps vanilla, 1⅓ cups flour, 1 cup mini chocolate chips

Instructions:

1. Preheat the oven to 325F.

2. In a large mixing bowl with a hand mixer, or the bowl of a stand mixer, cream together the butter with the brown sugar until light and fluffy. About 3 minutes.

3. Add the egg, salt, and vanilla to the bowl and mix until incorporated.

4. Using a spoon and not an electric mixer, stir in the flour and the chocolate chips.

5. Scoop 1/2 tablespoon sized mounds of cookie dough onto sheet pans. I used this scoop . If desired, top each with a few more chocolate chips for prettier cookies.

6. Bake one sheet pan at a time at 325F for 10-12 minutes. Cookies will look slightly under-baked, but will continue cooking on the sheet pan as they cool and will stay very soft. If you prefer crunchier cookies, you can bake them longer.

7. Cool completely on the sheet pan before moving to an airtight container.



Science/Science

Un aéroglisseur/A Hovercraft



Materials: balloon, hot glue, old CD, an old dish soap cap

Instructions:

1. Run a generous ring of hot glue around the bottom edge of your dish soap cap, quickly press it onto the center of the CD, over the hole. Let the glue dry.

2. Slip balloon over cap.

3. Then open the cap and blow up the balloon to see it glide.

Un relevage hydraulique/A Hydraulic Elevator

Materials: 17 jumbo popsicle sticks, wire, 2 wooden skewers, 2-10ml syringes, thin plastic tubing

Instructions:

1. Mark the center and two end points on each popsicle stick (about 1/2 inch in). You will be putting a hole through these points, and you want to them to match up with the other ones. Stack the sticks together and tape them together with some masking tape.

Use a small drill bit and drill through the tree spots. However, it tends to split the stick on the ends a bit, so be careful! Or just use a small screwdriver instead- it takes a little longer, though.

2. Once the sticks all have holes, connect the center point of two sticks with a small piece of wire. Do this three times. Then connect the two ends of each pair so you have a row of 3 pairs of overlapping sticks.

3. Repeat with the other half so you have two moving pieces with 6 sticks in each. On the bottom and top holes, combine the two sides together by putting a wooden skewer through the holes. I used 2 skewers cut in half for this step. I also ended up adding a dab of hot glue where each of the sticks were secured to keep them from slipping out.

4. As you can see in the photos, I had a few of my sticks split a bit and I taped them with some masking tape.

If you want to make a platform for the top of the hydraulic elevator, just tape together 5 more jumbo sticks.

Next you will need to secure the bottom back skewer to the surface you are using. I taped it down to the table to keep it in place.

5. Get your syringes ready now by cutting a small piece of tubing and attaching it to one tip. Fill the other with water and attach it to the other end of the tube.



6. Once the syringe is prepared, tape one end down to the table as well. The end that slide in and out should be taped to the front skewer. Now when you push the syringe in and out it will lift and lower the hydraulic elevator.

Jeux/Games

Mot de passe/Password

Equipment: papers with the vocabulary words on them

Instructions:

Describe the vocabulary word to your partner using only one word.

Jeter les mots/Throwing Words

Equipment: paper, scissors, markers, container

Instructions:

1. Write your sight words onto paper or card and cut each one out individually
2. Children throw their sight words into the air and run around collecting them and putting them into a basket
3. They may only put one word in at a time and they must read the word correctly before placing it in the basket
4. Practice as many times as your child is willing, challenging them to do it faster on each time. (Adding in a stopwatch to record exact times adds extra learning and can make it even more exciting as they race to beat their own time.

Rouler un robot/Roll a Robot

Equipment: pencil, paper, dice

Instructions:

The aim of the game is to be the first to complete a robot. Each roll of the die enables a particular body part to be drawn as follows:

6 = corps/body

5 =visage/face

4 = bras/arms

3 = tête/head

2 - antenne/antenna

1 = jambe/legs

The body must be drawn before the other body parts are added to it, so players must therefore roll a 6 to start.

Once the body has been drawn, the other parts of the robot may be added in any order.

If you roll a number which relates to a part you have already added, you miss your go and pass the die on.

Devenir des ingénieurs/Become an Engineer

Equipment: toothpicks, jellybeans

Instructions:

Using jellybeans and toothpicks, create a structure that can stand up.

Exercice/Exercise

Exercices de votre nom/Name Exercises

Equipment: Name Exercises sheet,

Instructions:

Spell out your full name and complete the activity listed for each letter. For a greater challenge include your middle name and do each exercise twice. For variety, you can use a favorite character's name or a family member's name.