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build instructions for: Airplane

colors needed:



- 1 Create the wings by wrapping one of the tools in blue dough.



- 2 Make the landing gear by placing a portion of blue dough between the black tool kit end caps.



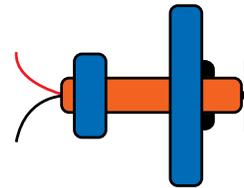
- 3 Create the tail portion for the plane with blue dough. This should be shorter than the main wing section.



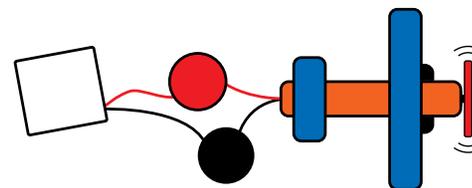
- 4 To make the body of the plane, wrap the fan motor with orange dough. Be sure that the wires hang out of the rear.



- 5 Attach the wings, tail section, and landing gear to the body of the plane.



- 6 Keep the circuits color-coordinated. Connect the red wires from both the plane and the battery container to the red ball of dough. Use the same process for the black wires and dough. Turn on the battery box to make the fan spin.



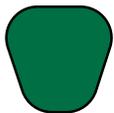
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build instructions for: Birthday Cake

colors needed:



- 1 Begin by flattening a round piece of green dough.



- 2 Using a cutting tool, make two diagonal cuts in the green dough to make a triangle shape for the bottom layer of the cake. Discard the side pieces.



- 3 Next, flatten a piece of red dough. Place the green dough over the red dough. Using the green dough as a guide, cut away the unwanted portions of the red dough.

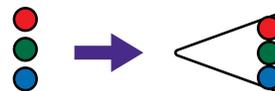


Repeat step three with blue dough to create next layer.

- 4 Flatten a piece of white insulating dough. This should cover the cake shape as well as hang down the back of the stacked layers of cake. Place the cake on the flattened white dough as a guide. Cut away the unwanted portions of the insulating dough. Attach the remaining white dough to the back of the stack of colored dough.



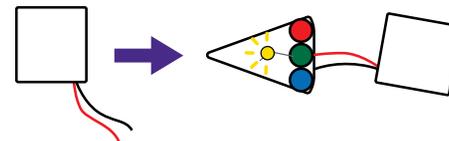
- 5 With all the cake layers together, flip the layered stack over so that the white layer is now the top layer. Roll out three balls of dough and place them on the back corner of the cake.



- 6 Connect the LED by inserting the short terminal through the white dough into the blue layer of dough. Insert the long terminal into the green ball of dough.



- 7 Last, attach the battery holder. Insert the red wire into the colored cake layers through the back of the cake. Insert the black wire into the green ball. Next, turn on the battery holder to see the LED light up.

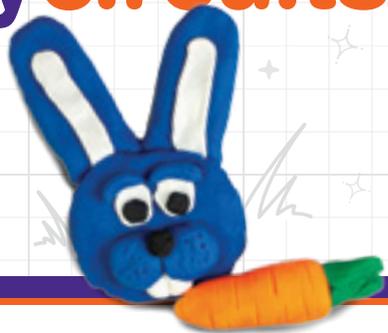


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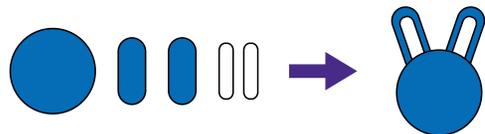
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build instructions for:
Bunny

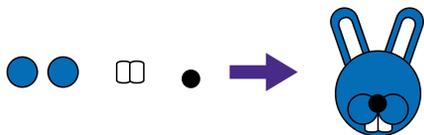
colors needed:



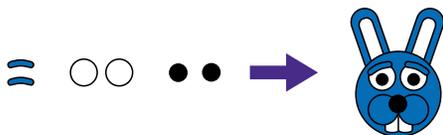
- 1 Begin by forming the ears of the bunny with blue dough. Rolling out the stripes with white dough. Then attach the white stripes on the base of the ears. Use the blue dough to make the base of the bunny's head. Assemble as shown.



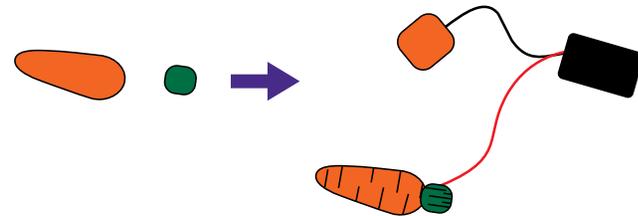
- 2 Next, make two teeth using the white insulating dough. Using the blue dough make two cheeks. Making the nose out of the black dough. Attach to the base of the bunny.



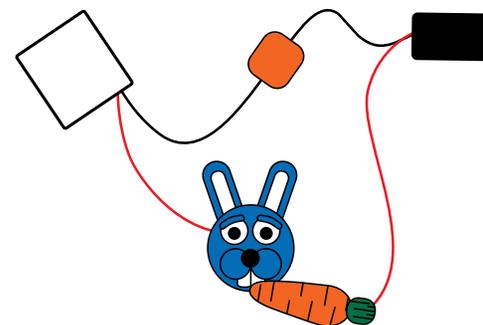
- 3 Roll out the eyebrows using the blue dough. Making the eyes using white and black dough. Attach the eyes as shown.



- 4 Create the base of the carrot with the orange dough, using the green dough to create the leaves. Marking the carrot base and leaves. Attach the buzzer to the carrot and another piece of orange dough. Insert the red wire into the carrot and the black wire into the piece of dough.



- 5 Insert the black wire from battery holder into the piece of orange dough and the red wire into the bunny. Turn on the power switch and touch the bunny to the carrot to complete the circuit and make noise!

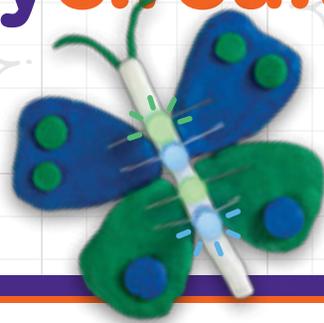


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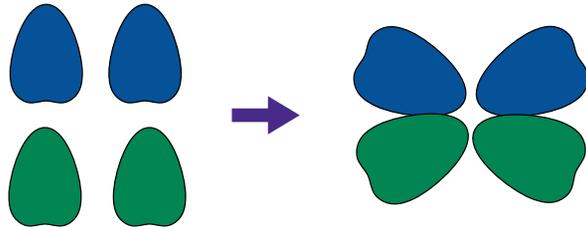
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build instructions for: Butterfly

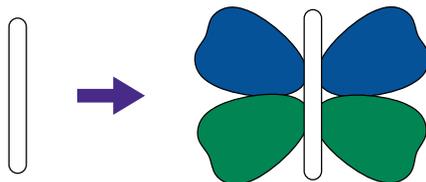
colors needed:



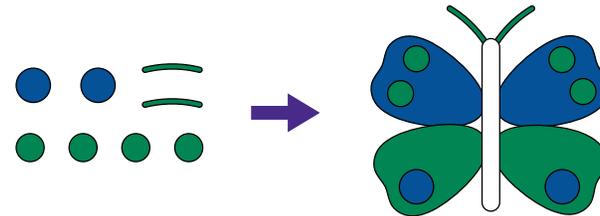
- 1 To make the wings of the butterfly, roll out two blue pieces of dough in the shape shown below. Do the same with the green dough. Arrange in the pattern of butterfly wings.



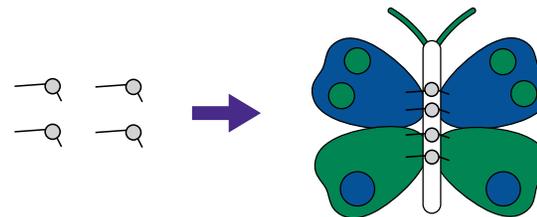
- 2 Roll out a long piece of white dough for the body. Attach the body to the center of the butterfly's wings.



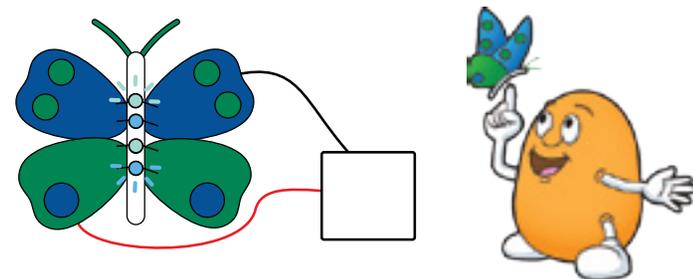
- 3 Create the butterfly's dots and antennae and attach to the body and wings of the butterfly.



- 4 Next, attach the long legs of LEDs into the left side of the butterfly's wings, with the smaller legs going into the right side.



- 5 Insert the red wire into the left green wing of the butterfly and insert the black wire into the blue wing of the butterfly. Next, turn on the battery holder to see your butterfly light up!



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build instructions for: Buzzing Bee

colors needed:



- 1 Begin by forming the body of the bee with yellow dough and rolling out the stripes with black dough. Then wrap the stripes around the body of the bee.

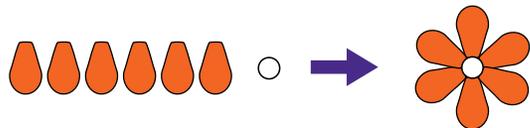


- 2 Next, make two wings using the white insulating dough, and eyes using white and black dough. Attach the wings and eyes to the bee's body.

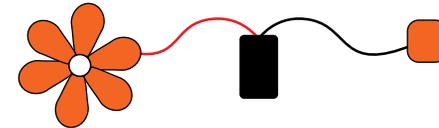
**Add googly eyes for a fun effect!*



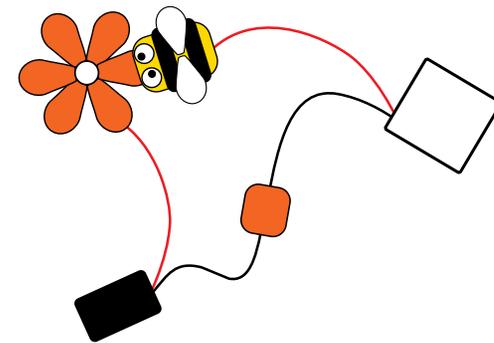
- 3 Make the center of the flower with white dough and six petals using orange dough. Attach the petals as shown.



- 4 Attach the buzzer to the flower and another piece of orange dough. Insert the red wire into the flower and the black wire into the piece of dough.



- 5 Insert the black wire from battery holder into the piece of orange dough and the red wire into the bee's body. Turn on the power switch and touch the bee to the flower to complete the circuit and make noise!



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build instructions for: Campfire

colors needed:



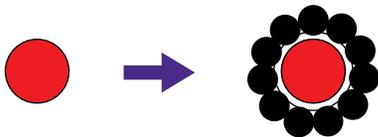
- 1 Begin by forming a fire ring using white insulating dough.



- 2 Next, line the outside of the fire ring with small round pieces of black dough. These will be the rocks around your firepit.



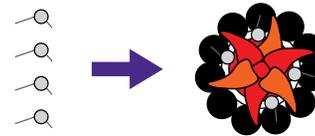
- 3 Create a thick disc shape, using red dough and place the disc inside of the white fire ring.



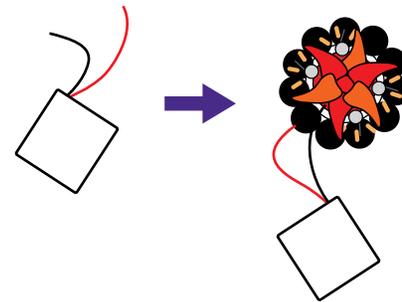
- 4 Using both the orange and red dough create the flame licks for inside the fire pit. Create three licks of both colors. Next, place the flame licks onto the red disc shape inside of the fire ring. Be sure to alternate the colors when placing.



- 5 Add in four LEDs to your fire. When inserting the terminals from the LEDs, be sure to have the long terminals inserted into the black dough. The short terminals will then be inserted into the red disc inside the fire ring.



- 6 Light up your fire by attaching the battery holder wires. Insert the red wire from the battery holder into one of the black dough pieces. Next, insert the black wire into the red disc inside the fire ring. Turn the power switch on the battery holder to "on" to light up the fire!



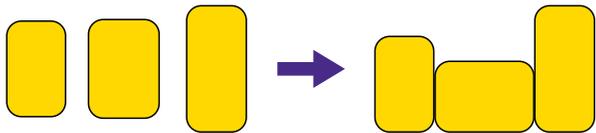
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build instructions for: Castle

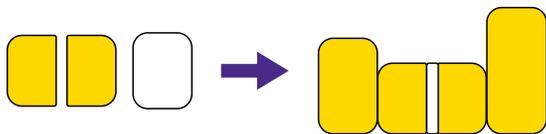
colors needed:



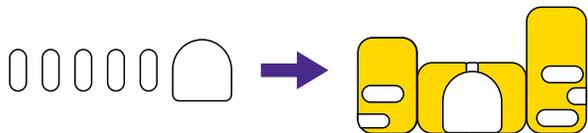
- 1 Begin by creating three square yellow blocks to form the base of the castle.



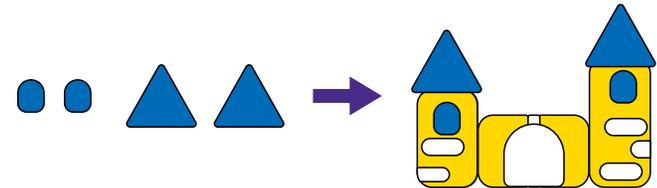
- 2 Next, cut the middle piece in two and add a piece of white conductive dough to the center.



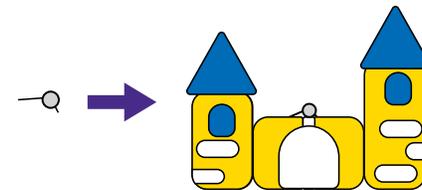
- 3 Make the door and a few white bricks out of the white conductive dough. Attach as shown.



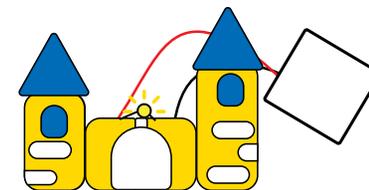
- 4 Create two cone shapes for the tower out of the blue dough. Make two window shapes as well. Attach to the towers of the castle.



- 5 Next, attach the LED to the top of the castle. Attach the legs of the LED to either side of the base.



- 6 Insert the black wire from battery holder into base of the castle. Attach the red wire into the other half of the base. Turn on the power switch and light up your castle!



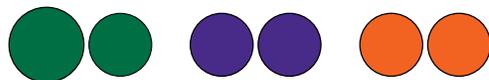
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build instructions for:
Caterpillar

colors needed:



- 1 Begin by forming the body using the orange, blue, and green dough. Roll out the dough so you have two balls of each color that are roughly the same size except for the head, which should be slightly larger.



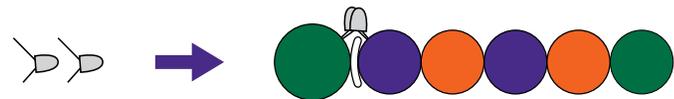
- 2 Next, arrange the balls of dough by alternating color. The balls should touch one another but leave a gap between the head and the body.



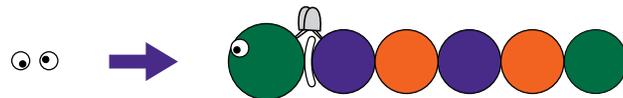
- 3 With the white insulating dough, create a thin disc shape that can be placed in between the head and the body.



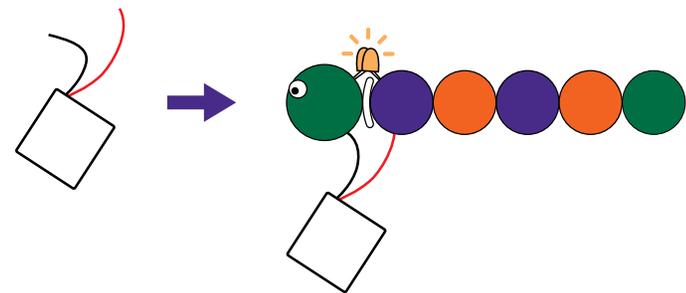
- 4 Add the LEDs to your caterpillar. Insert the long leg of the LED into the head and the short leg into the body.



- 5 Add the googly eyes to the head of your caterpillar for a fun effect.



- 6 Light up your creation by attaching the battery holder to the caterpillar. Insert the red wire from the battery holder into the head. Next, insert the black wire into the first body ball closest to the head. Turn the power switch on the battery holder to "on" to light up the caterpillar!



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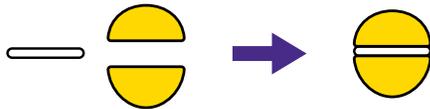
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build instructions for: Chick

colors needed:



- 1 Create the head by making two round halves of yellow dough and a thin piece of insulating dough. Put the pieces together as shown.



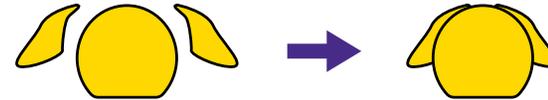
- 2 Place the LEDs into the head with the wires inserted into the yellow dough. Please note: The long wires from both LEDs should be inserted into the same yellow dough.



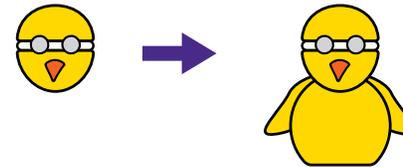
- 3 Using the orange dough, create the beak to complete the face. You may need to place the base of the beak into a small indentation in the yellow dough to help hold it to the face.



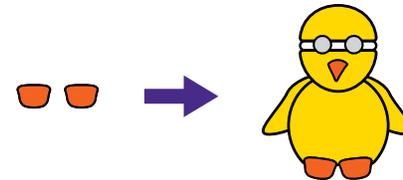
- 4 Using the yellow dough, create the two wings and the round body portion. Attach these items together as shown.



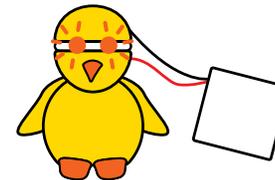
- 5 Attach the head to the top of the body as shown.



- 6 Use orange dough to create the feet and attach these to the body.



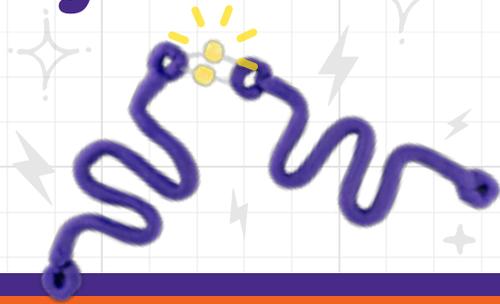
- 7 Insert the red wire and black wire into the yellow dough. Keep in mind, the red wire goes in the side with the longer LED wire. Then, turn on the box to light up LEDs.



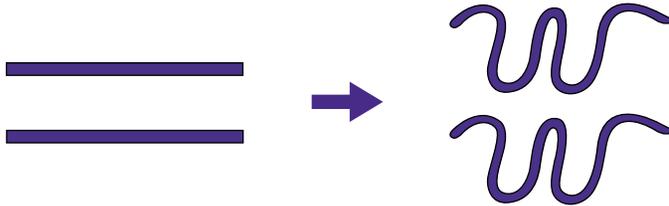
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build instructions for:
Circuit

colors needed:



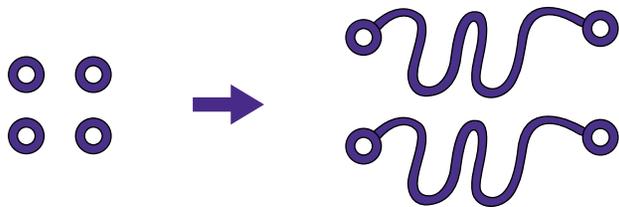
- 1 Roll out two long strips of purple dough and form each into a "W" shaped squiggle.



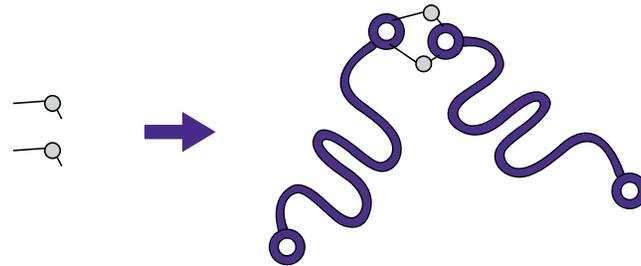
- 2 Roll out four small pieces of purple dough and form them into doughnut shapes.



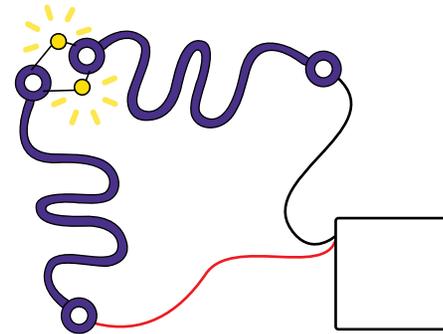
- 3 Attach each doughnut shape to the ends of the two squiggle shaped strips.



- 4 Insert the long legs of LEDs into one of the doughnut shapes at the end of one strip and the shorter legs into a doughnut on the end of the other strip.



- 5 Insert the red wire into doughnut on the other end of the first strip and the black wire into the doughnut on the second strip. Turn on the battery holder to light up your circuit!



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build instructions for: Conductor Test

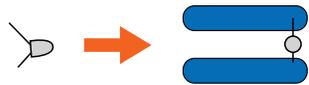
colors needed:



- 1 Begin by rolling out two pieces of blue dough. Make sure they are roughly the same size.



- 2 Next, connect an LED to both pieces of dough. Leave enough space between the dough pieces so that they do not touch.



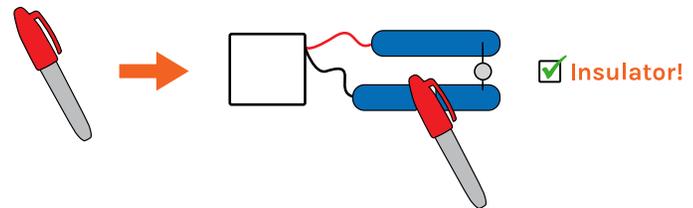
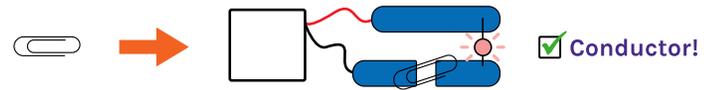
- 3 Insert the red wire from the battery holder into one piece of dough that also has the longer LED terminal. The black wire will then be inserted into the dough with the shorter LED terminal. Turn on the battery holder to light up the LED.



- 4 Divide the piece of dough that is connected to the black wire to create two equal size pieces. Now create a small gap by moving the dough still connected to the wire away from its other half. Your battery holder should stay turned on.



- 5 Your conductor test is now ready to use. Place an object between the cut pieces of dough. Make sure the object makes contact with both pieces to complete the circuit. If the LED lights up, the object is a conductor. If the LED does not light up, the object is an insulator.



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build instructions for: Dinosaur

colors needed:



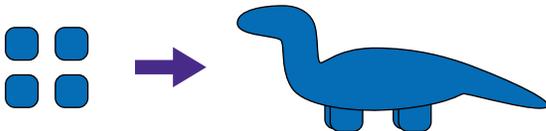
- 1 Using the blue dough, create four small squares for the dinosaur's feet.



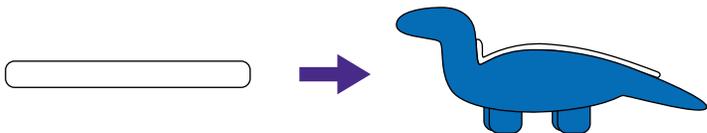
- 2 Next, roll out a piece of blue dough and form into the body shape.



- 3 Attach the four feet to the dinosaur's body.



- 4 Roll out and flatten a piece of white insulating dough. Attach the strip along the back of the dinosaur.

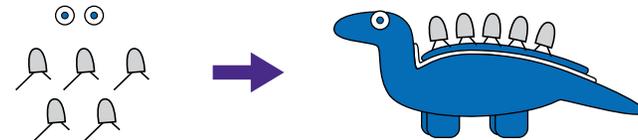


- 5 Next, roll out two strips of blue dough the same length as the white piece. Place side by side on top of the white strip without allowing them to touch.

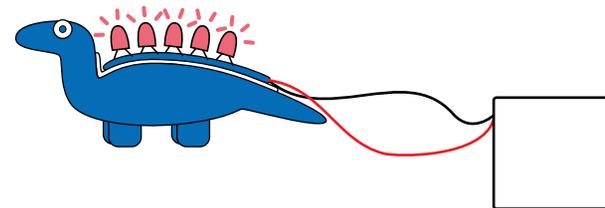


- 6 Create the eyes using white and blue dough, then attach to the dinosaur's head. Insert the short leg of LEDs into one piece of blue dough on top of the body and the longer legs into the other.

*Add googly eyes for a fun effect! (not included)



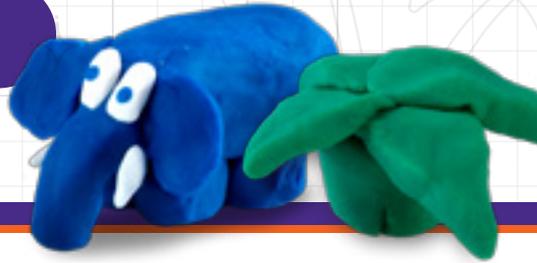
- 7 Insert the red wire from battery holder into one strip of blue dough and the black wire into the other. Turn on the battery holder to light up your dinosaur!



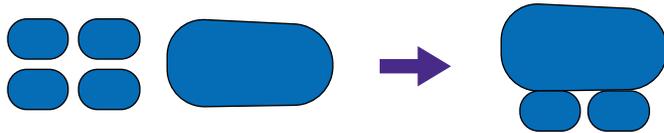
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build instructions for: Elephant & Tree

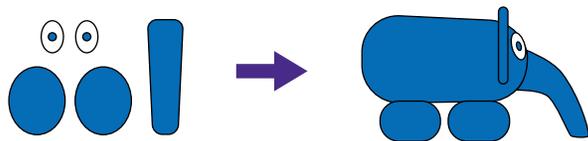
colors needed:



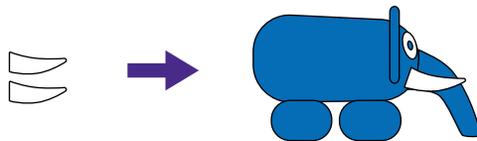
- 1 Create the body with a large piece of blue dough and attach four smaller pieces for the legs.



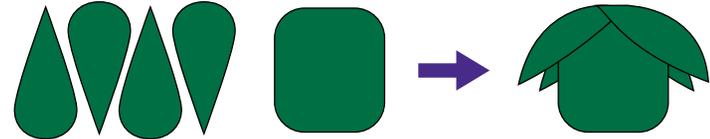
- 2 Create the eyes, ears, and trunk using blue and white dough. Attach the pieces to the front of the elephant's body.



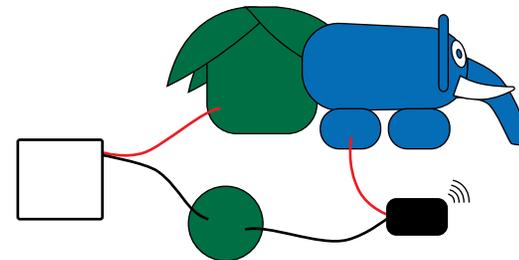
- 3 Roll out two pieces of white dough into cone shapes to create tusks and attach to the elephant.



- 4 Using your green dough, create the tree trunk and four raindrop shapes for the leaves. Attach the leaves to top of the trunk.



- 5 Roll out a ball of green dough. Connect the black wires from the buzzer and battery holder to the green ball. Next, connect the red wire from the battery holder to the tree trunk and the red wire from the buzzer to the elephant. Once you turn on the battery holder, touch the elephant and tree together to make noise!



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build instructions for: Fireflies

colors needed:



- 1 Begin by forming the body for each of the three fireflies. Each one will use a different color for the body.



- 2 Next, make the wings using the white insulating dough. Two wings will be needed for each firefly body. Attach the wings as shown.



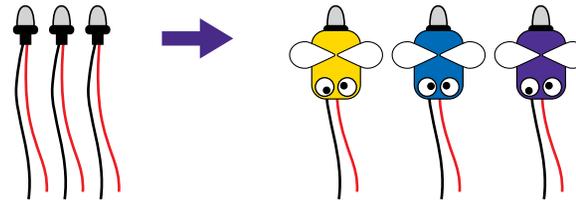
- 3 Attach two googly eyes to each firefly body for a fun effect!



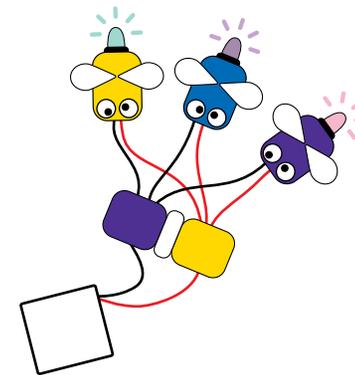
- 4 Create a module using the yellow dough and purple dough. Place a small portion of white insulating dough in between the yellow and purple dough.



- 5 Place each firefly on top of a wired LED. Make sure the red wire is always on the right side. The LED should extend from the back of the firefly body.



- 6 Attach the wired LED lights to the module by inserting the red wire from each firefly into the yellow dough and inserting the black wires into the purple dough. Complete the circuit by inserting the red wire from the battery holder into the yellow dough and the black wire into the purple holder. Turn on the power switch from the battery holder to light up the fireflies!

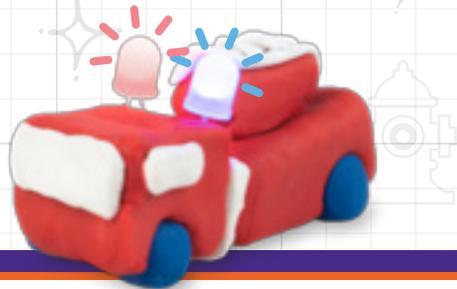


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build instructions for: Fire Truck

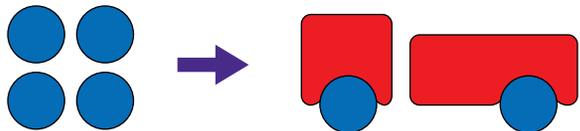
colors needed:



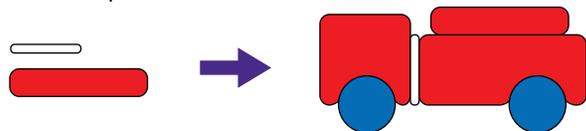
- 1 Create a rectangle and taller square out of red dough for the truck's body. Create indents in the dough for wheels.



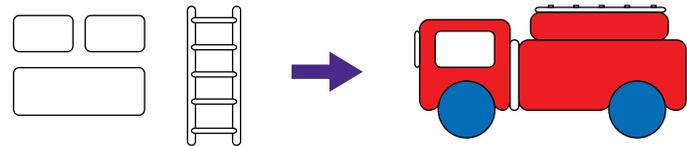
- 2 Roll out four pieces of blue dough for the wheels and place within the indents of the truck.



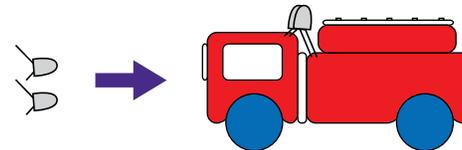
- 3 Flatten a piece of white dough and place between the two truck body pieces. Create a small red rectangle and attach to the top of the truck.



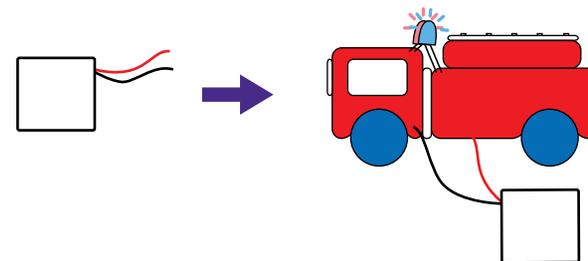
- 4 Create the ladder and windows using white dough and attach to the truck.



- 5 Insert the short legs of LEDs into the head of the truck and the longer legs into the truck body.



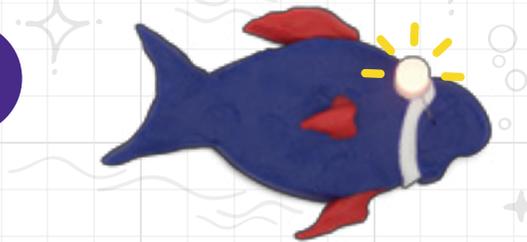
- 6 Last, insert the red wire from the battery into the back of the truck and the black wire into the front. Turn on the battery holder to light up your fire truck!



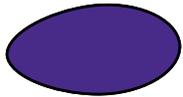
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build instructions for: Fish

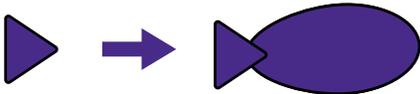
colors needed:



- 1 Make main body shape.



- 2 Make tail and attach to the body.



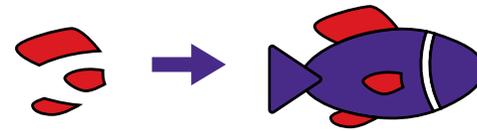
- 3 Cut apart the fish body as shown.



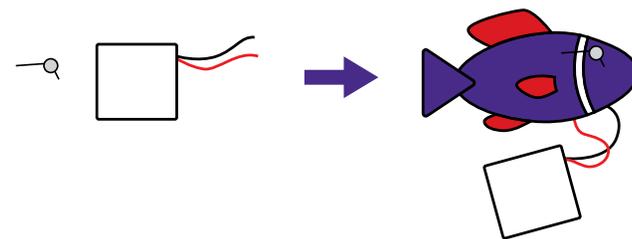
- 4 Create a strip using the insulating dough that will fit between and separate the head from the body.



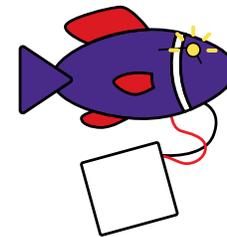
- 5 Next, make the fins and attach them to the body as shown.



- 6 Insert an LED for the eye. Be sure to place the longer LED leg into the dough with the red battery holder inserted.



- 7 Turn the battery holder switch on to light up the LED.



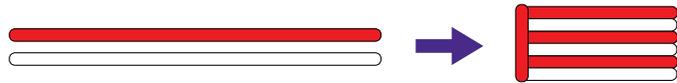
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build instructions for:
Flag

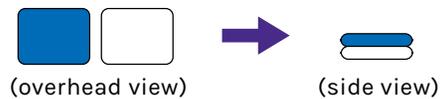
colors needed:
● ● ●



- 1 Create the stripes by rolling the white and red dough and dividing it into three even pieces. Save a smaller piece of red for the left side of the flag.



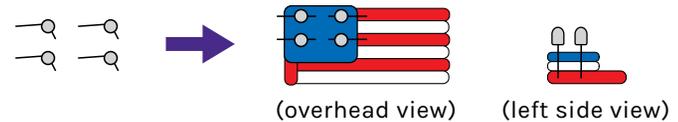
- 2 Next, use the blue and white dough to make the rectangle background for the LED lights.



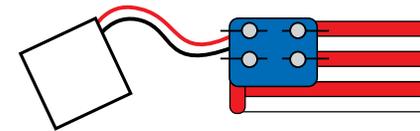
- 3 Place the blue and white rectangles on top of the stripes.



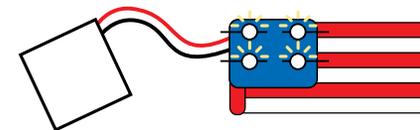
- 4 Attach four LEDs by inserting the legs into the colored dough. Make sure that the longer leg is inserted into the red dough and the shorter leg is inserted into the blue dough.



- 5 Attach the battery holder to the flag by inserting the black wire into the blue dough and the red wire into the red dough.



- 6 Turn on the power switch from the battery holder to make the lights shine!



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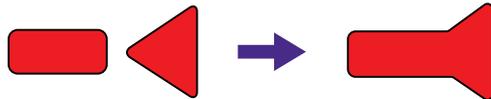
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build instructions for: Flashlight

colors needed:



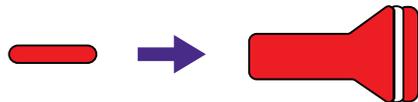
- 1 Create a rectangle and a wide triangle out of red dough. Combine both pieces so they form the shape below.



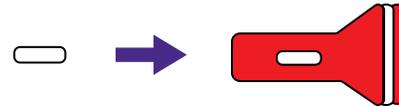
- 2 Next, roll out a long piece of white insulating dough. Attach this to the end of the flashlight.



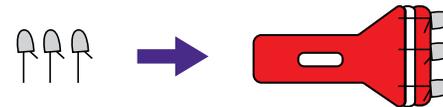
- 3 Roll out a larger rectangle of red dough to create the head of the flashlight. Attach this to the white insulating dough.



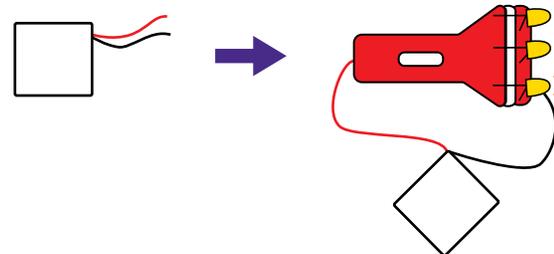
- 4 Rolling out a smaller piece of white dough, create a small rectangle for the button. Attach to the top of the flashlight.



- 5 Insert the short legs of LEDs into the head of the flashlight and the longer legs into the handle.



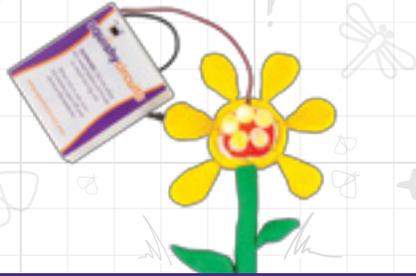
- 6 Last, insert the red wire from the battery into the end of the handle. Put the black wire in the the head of the flashlight. Then, turn on the box to light up the LEDs.



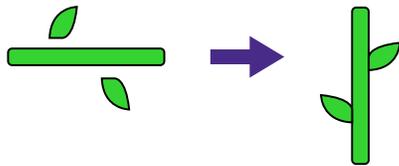
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build instructions for: Flower

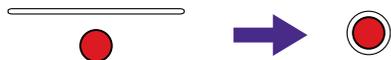
colors needed:



- 1 Make the stem and leaves using green dough.



- 2 Create a flat circle for the center of the flower and wrap it with a strip of white insulating dough.



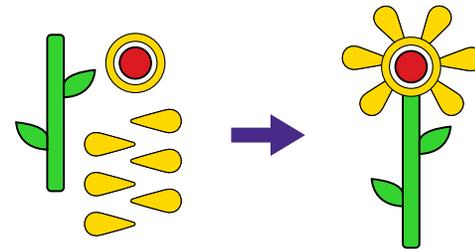
- 3 Next, wrap a strip of yellow around the white dough.



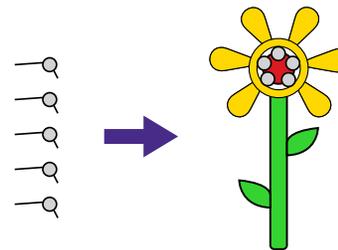
- 4 Create the petals for the flower. You will need six petals for this step.



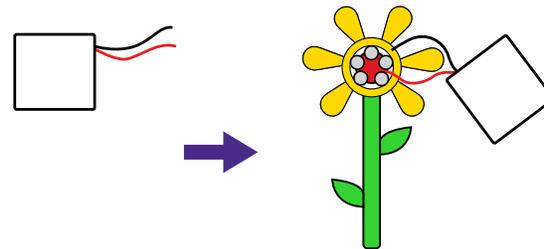
- 5 Next, attach the center of the flower to the stem and add the petals to the outside of the flower center.



- 6 Insert the LEDs into the flower. Be sure to place the longer LED leg into the red dough. This is also where the red wire from the battery holder will be inserted.



- 7 Last, attach the battery holder to the flower. Make sure the red wire inserts into the red part of the flower and the black wire is inserted into the yellow outside ring. Turn on the battery holder to light up the flower.



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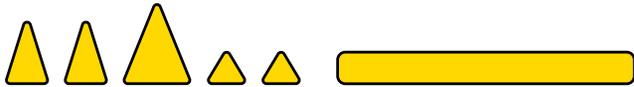
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build instructions for: Gold Crown

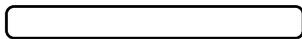
colors needed:



- 1 Make the points and the base for the crown using the yellow dough.



- 2 Using the white insulating dough, create a thin strip that is roughly the same size as the crown base.



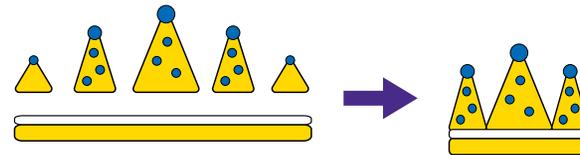
- 3 Next, using either the blue or the purple dough (or combination of the two) create the jewels and place them on the points of the crown.



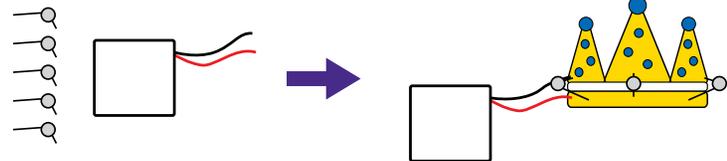
- 4 Attach the strip of insulating dough to the top of the crown base.



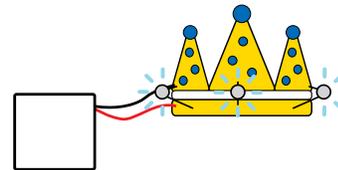
- 5 Next, curve the crown base into a half circle and place the points on top of the white insulating dough, ensuring the dough points touch.



- 6 Insert LEDs to light the crown. Be sure to place the longer LED legs into the base as well as the red wire from the battery holder. Insert the shorter LED legs along with the black wire into the points of the crown.



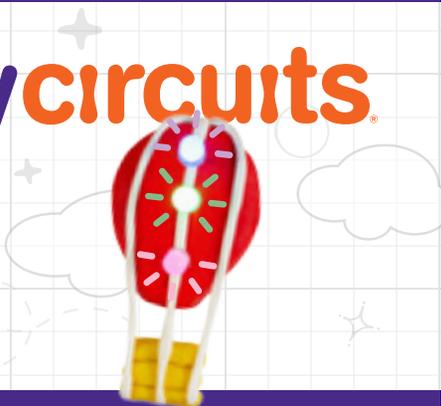
- 7 Turn on the switch of the battery holder to light up the LEDs in the gold crown!



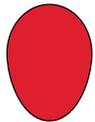
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build instructions for: Hot Air Balloon

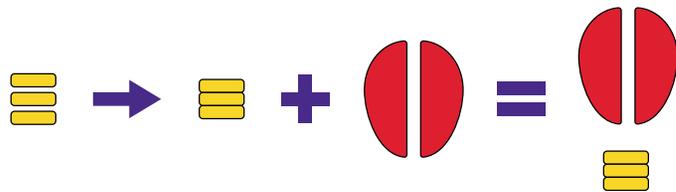
colors needed:



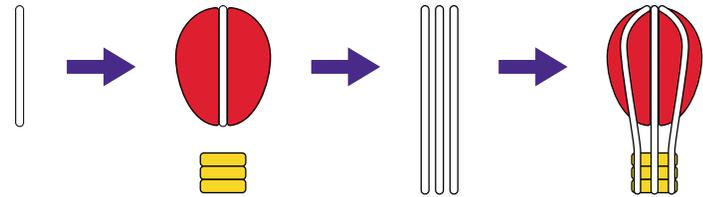
- 1 Start by creating balloon portion using red dough. This shape should resemble an upside down egg.



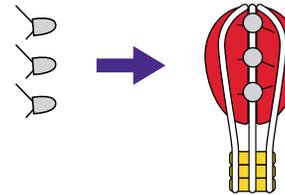
- 2 Next, create the basket using yellow dough. Make sure your yellow pieces of dough are touching each other. Also, divide the red balloon into two halves. Then, place the yellow basket below the red dough.



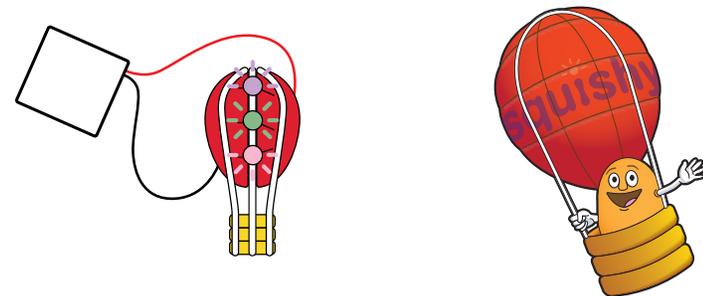
- 3 Insert a thin piece of insulating dough between the two red balloon halves. Then overlay three longer pieces of insulating dough over the red and yellow pieces to connect the balloon to the basket.



- 4 Add in the LEDs by inserting the long LED leg into the right balloon half and the short LED leg into the left balloon half.



- 5 Last, insert the red wire into the right half of the balloon and the black wire into the left. Turn on the battery holder to light up the balloon!



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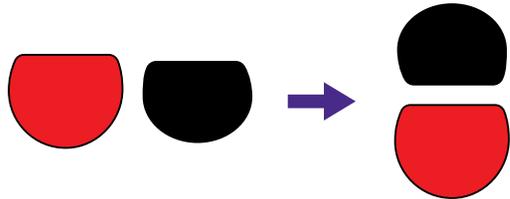
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build instructions for
Ladybug

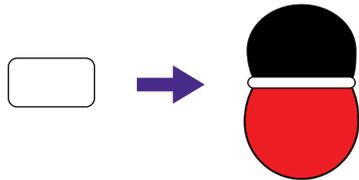
colors needed:



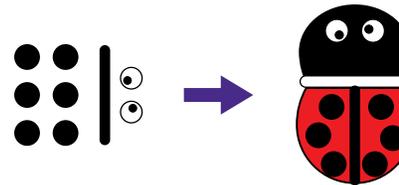
- 1 First, roll out a large piece of red dough into a ball. Cut the top of the circle to make the shape shown below. Do the same with a medium size ball of black dough.



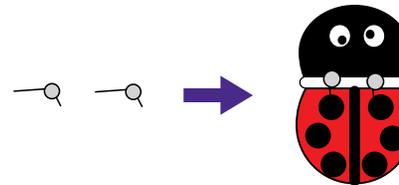
- 2 Roll out a rectangular piece of white insulating dough and sandwich it between the black and red dough.



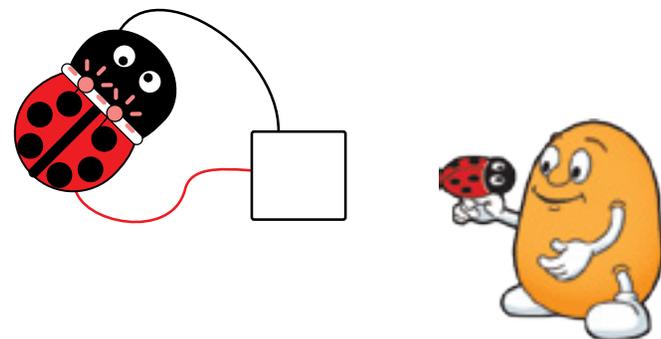
- 3 Create the ladybug's dots and wing line and attach to the body. Add the googly eyes to the head of the ladybug.



- 4 Next, attach the long legs of LEDs into the body of the ladybug, with the short legs going into the head.



- 5 Insert the red wire into the back right wing of the ladybug. Attach the black wire into the left side of the ladybug's head. Next, turn on the battery holder to see your ladybug light up!



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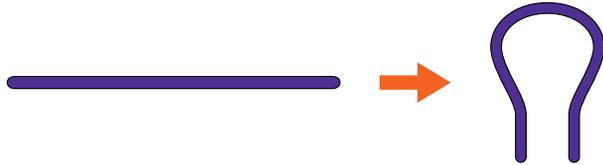
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build instructions for: Light Bulb

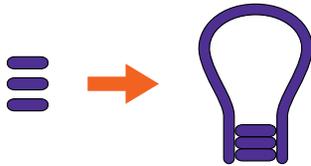
colors needed:



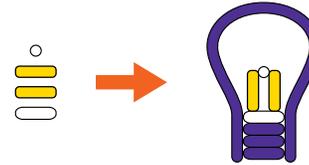
- 1 Begin by forming the outer shape of the bulb. To do this, roll out a section of purple dough until it is long enough to create your outside shape.



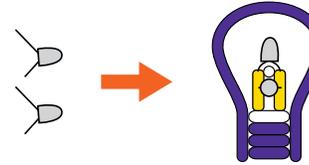
- 2 Next, create the base of the bulb by using small sections of purple dough to close the open end of your bulb shape.



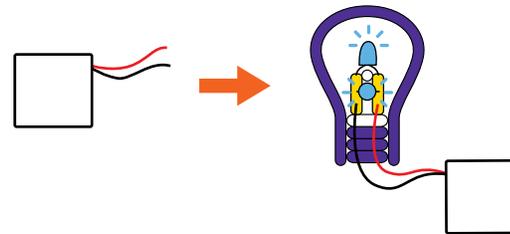
- 3 Create the filament for your light bulb using yellow dough and white insulating dough. Make sure your yellow pieces only touch the white insulating dough.



- 4 Insert the short legs of the LEDs into the yellow piece on the left and the longer legs into the yellow piece on the right.



- 5 Last, insert the red wire from the battery holder into the yellow piece of dough on the right and the black wire into the yellow piece of dough on the left. Turn on the battery holder to light up your light bulb!



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build instructions for: Octopus

colors needed:



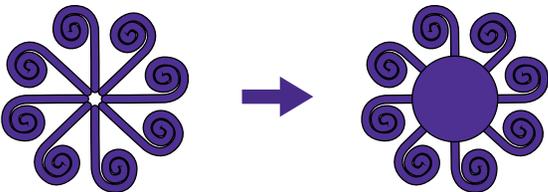
- 1 Roll a piece of purple dough into a ball. This will be the body of the octopus.



- 2 To make the arms, roll out eight thin pieces of purple dough. Keep one half of the arm straight and create a coil with the other half. Do this for all eight arms.

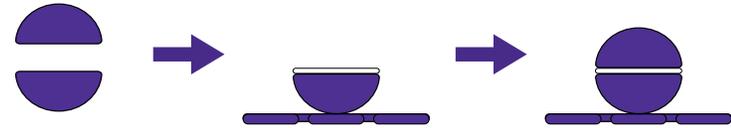


- 3 Arrange the octopus arms so that the straight portions come together in the center. Make sure the opening in the center can be covered by the body.

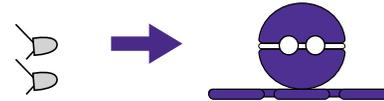


*The next three steps are shown from a side view.

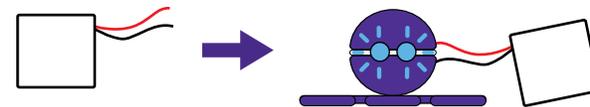
- 4 Cut the round ball for the body in half to create a top half and a bottom half. Place a thin piece of white insulating dough on top of the bottom half of the body. Then place the top half onto the insulating dough to form the whole body.



- 5 Insert the long LED leg into the top portion of the body and the short leg into the bottom portion of the body.



- 6 Last, insert the red wire from the battery into the top half of the body and the black wire into the bottom half of the body. Turn on the battery holder to light up your octopus!



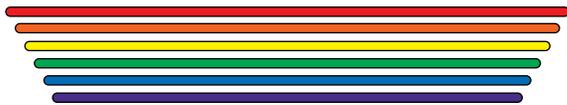
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build instructions for: Rainbow

colors needed:



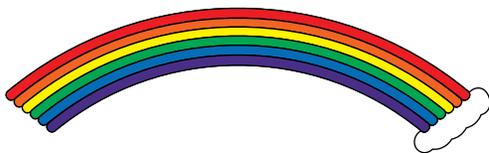
- 1 Roll out a piece of purple, blue, green, yellow, orange, and red dough, increasing length of each piece.



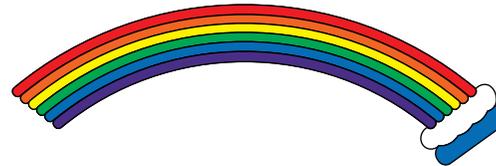
- 2 Next, connect each piece of dough and form an arch shape.



- 3 Take a piece of white insulating dough and form into a cloud shape. Attach the cloud to the end of the right side of rainbow.



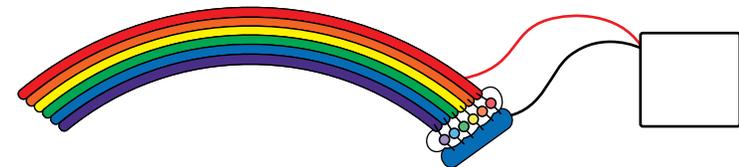
- 4 Take a piece of blue dough and attach it to the bottom of the cloud.



- 5 Insert the longer leg of each LED into the coordinating piece of colored dough and the shorter legs into the blue dough.



- 6 Insert the red wire from the battery holder into the red strip of dough and the black wire into the blue dough below the cloud. Turn on the battery holder to light up your rainbow!



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build instructions for: Reindeer

colors needed:



- 1 Using the yellow dough, make four legs, a head, and a body.



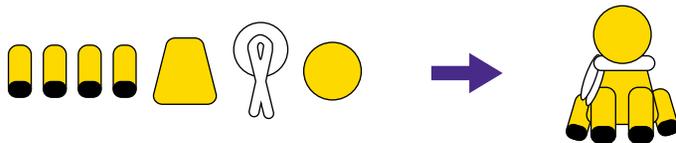
- 2 With the black dough, form four little disks and attach them to the end of the legs.



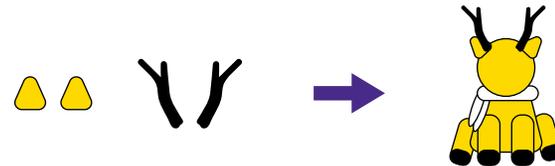
- 3 Roll out a tube of white insulating dough and wrap it in a ribbon shape. Make a disk and place the ribbon on the disk to create a scarf.



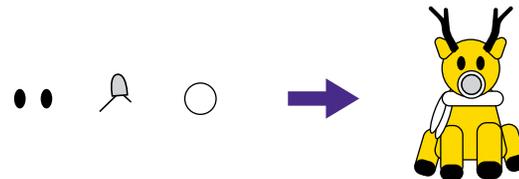
- 4 Next, attach the legs, scarf, and head to the body.



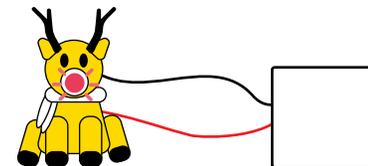
- 5 Make two triangles with yellow dough for ears. Use the black dough to make two antlers. Attach the ears and antlers to the head.



- 6 Next, make two little ovals out of black dough. Make a small white disk for the base of the nose. Attach the LED by sticking the shorter prong into the base of the nose and the other into the scarf.



- 7 Attach the battery pack by inserting the red wire to the longer LED prong and black wire to the other. Turn the battery switch on to light up your reindeer.



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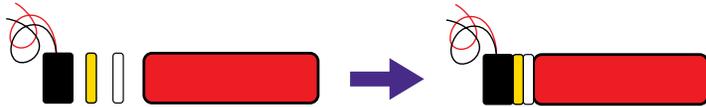
squishycircuits.

build instructions for: Rocket

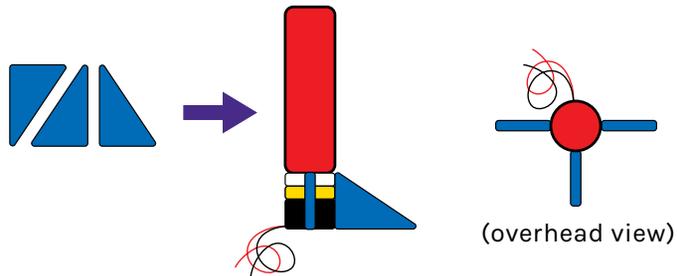
colors needed:



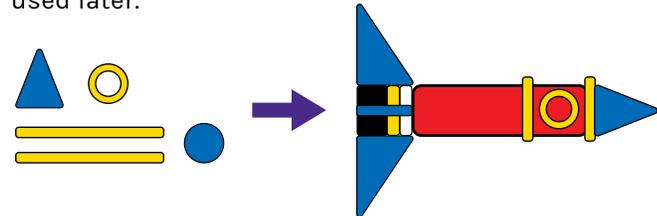
- 1 Create the body of the rocket using the red and yellow dough and white insulating dough. Sandwich the insulating dough between the yellow and red dough. Attach the buzzer to the bottom of the body.



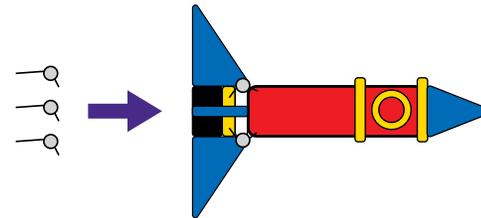
- 2 Cut three fins out of the blue dough and attach to the base of the rocket.



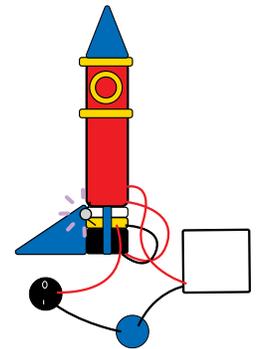
- 3 Create the nosecone and cockpit area. Attach these elements to the rocket. Roll out a small ball of blue dough to be used later.



- 4 Attach three LEDs by inserting the wire prongs into the colored dough. Make sure that the longer wire is inserted into the yellow dough and the shorter wire is inserted into the red dough.



- 5 Last, attach the battery holder and the switch. Insert the red wires from the battery holder and buzzer into the red dough. Insert the black wire from the buzzer into the yellow base piece and the black wire from the battery holder into the blue ball. Insert the black wire from the switch into the blue ball and the red wire into the yellow base piece. Turn on the switch to sound the buzzer and make the lights shine.



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build instructions for: Sea Monster

colors needed:



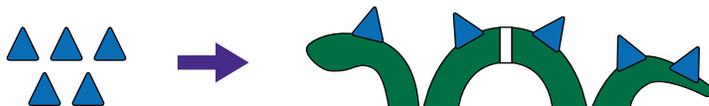
- 1 Roll out two pieces of green dough and form one for the head and the other into a cone shape for the tail.



- 2 Roll out two more pieces of green dough and connect them together using a piece of white dough.



- 3 Make five triangles with blue dough for the sea monster's spikes and then attach along the body.

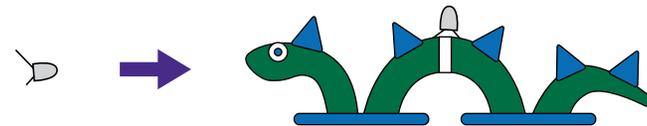


- 4 Create the eyes using white and blue dough and attach to the head. Flatten two pieces of blue dough for the water and place the sea monster's body on top.

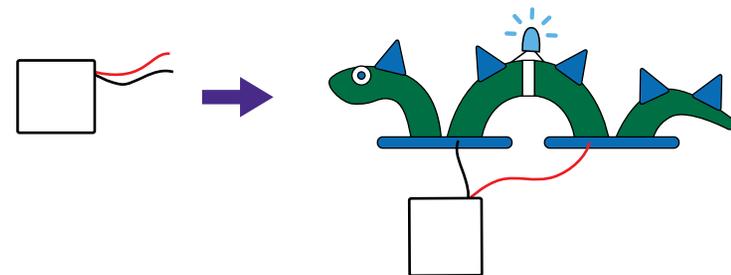
*Add googly eyes for a fun effect! (not included)



- 5 Insert the short leg of LED into one piece of green dough and the longer leg into the other.



- 6 Last, insert the red wire from the battery into one piece of blue water and the black wire into the other. Turn on the battery holder to light up your sea monster!



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build instructions for: Silly Face

colors needed:



BEEP
BOOP



- 1 Roll out long pieces of purple, orange, and black dough.



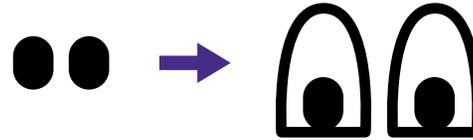
- 2 Attach the two ends of the purple strip and form a smile.



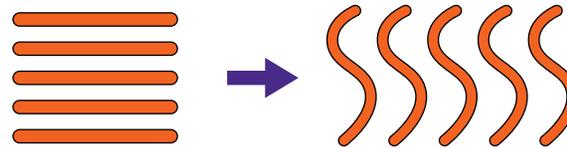
- 3 To create the eyes, split the black strip in half and create two arches. Roll out two small pieces of black dough and attach to the bottom of the arches to complete each shape.



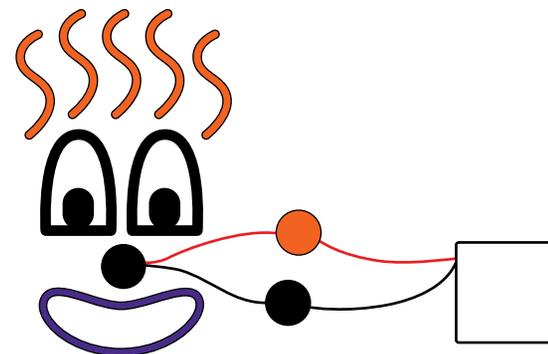
- 4 Roll two small ovals using black dough and place between the arches to finish the eyes.



- 5 Split the orange strip of dough into five pieces and create wavy hair.



- 6 Place all dough pieces in the formation of face and place the Piezo buzzer as the nose. Roll out orange and black balls. Insert the buzzer's red wire into the orange ball and black wire into the black ball. Repeat this process with the battery holder. Turn on the battery holder to hear the buzzer.



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build instructions for: Snail

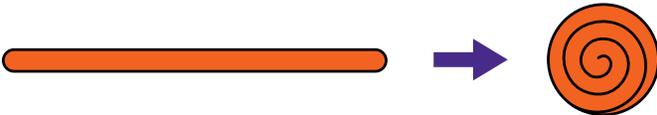
colors needed:



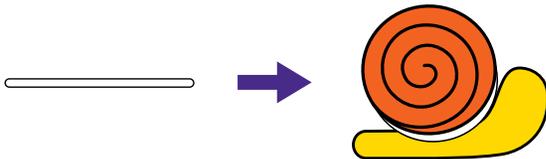
- 1 Roll out yellow dough. This will be the body portion.



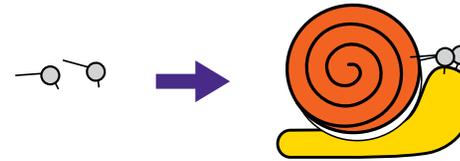
- 2 Roll out orange dough. Next take this rolled out strip and create the spiral shell.



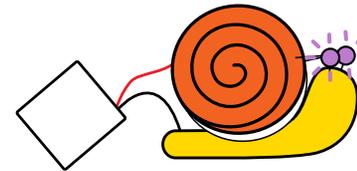
- 3 Roll a section of insulating dough. Put this between the spiral shell and the body.



- 4 Next, insert the wires from the LEDs. Be sure to insert both long wires from the LEDs into the same piece of dough.



- 5 Insert the wires into the dough. The red wire should be inserted into the same piece of dough as the long wires from the LEDs. Insert the black wire into the opposite piece of dough. Next turn on the battery holder to make the LEDs light up.



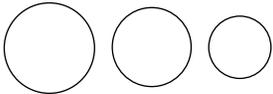
squishycircuits

build instructions for: Snowman

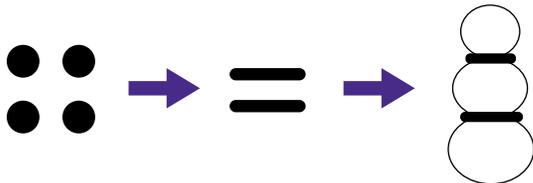
colors needed:



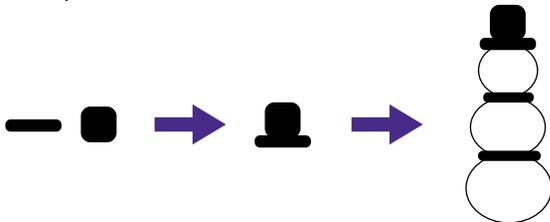
- 1 Create body by rolling three pieces of white insulated dough into large, medium, and small balls.



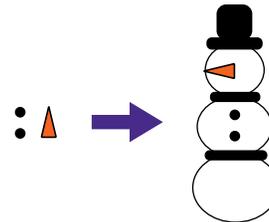
- 2 Next, roll out four pieces of black dough. Flatten two and place between your white body pieces. (save remaining two for next step)



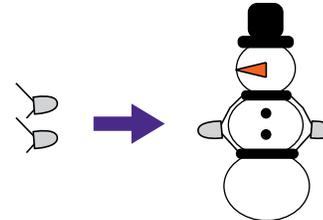
- 3 Use the remaining two pieces to create the hat and place on top of snowmans head.



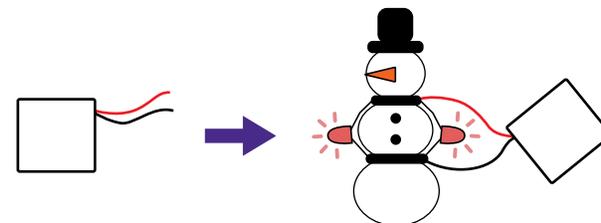
- 4 Roll out two pieces of black dough for buttons and a small cone with orange dough for the nose. Then place on snowman.



- 5 Insert the short leg of each LED into black dough of lower body. Insert the longer legs into black dough of upper body.



- 6 Last, insert the red wire from battery into black dough of upper body and the black wire into black dough of lower body. Turn on the battery holder to light up your snowman.



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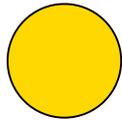
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build instructions for:
Stars

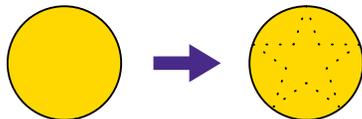
colors needed:



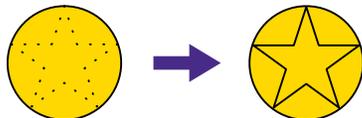
- 1 Begin by flattening a round piece of yellow dough.



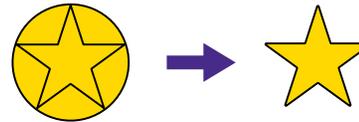
- 2 Next, using the tip of a pen or pencil, make some light indentations into the dough. The indentations should form a star shape.



- 3 Using a cutting tool, slice through and remove the yellow dough by following the indentations created in step two.

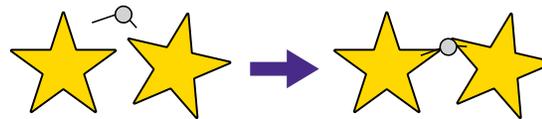


- 4 Remove the unwanted portions of dough to reveal the star. Smooth out any rough edges on your star.

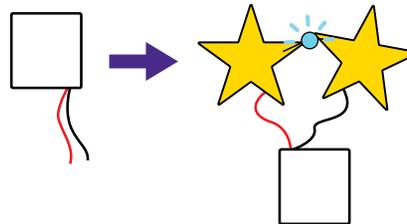


Repeat steps one through four to create a second star.

- 5 Place the stars next to each other with a small gap between the two closest points. Connect the stars together using an LED. Place the long terminal into the left star and the short terminal into the right star.



- 6 Last, attach the battery holder. Insert the red wire into the left star and the black wire into the right star. Next, turn on the battery holder to see the LED light up.

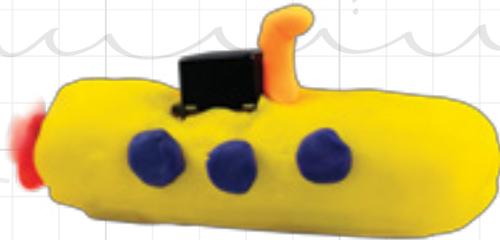


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build instructions for: Submarine

colors needed:



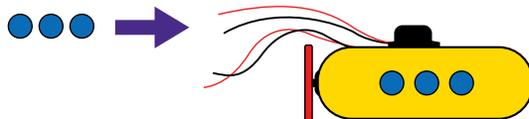
- 1 Roll out a large piece of dough and create a hollow area in the rear.



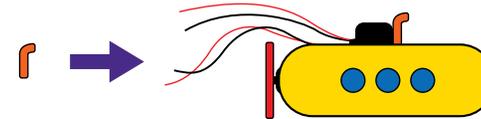
- 2 Place the fan motor inside the hollow area and the buzzer on top of the submarine body.



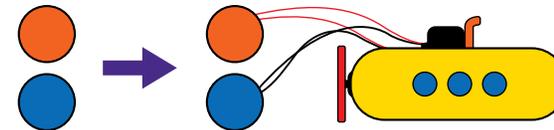
- 3 To create porthole windows, roll out and flatten three small balls of blue dough. Place the windows on the side of the submarine body.



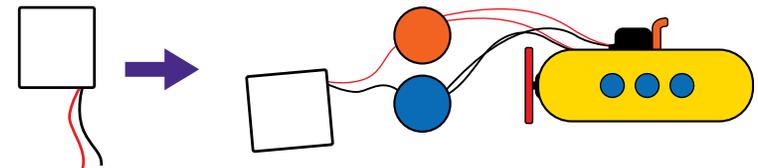
- 4 Roll a small tube for the periscope of the submarine. Place the periscope in front of the buzzer.



- 5 Roll out a ball of orange dough and blue dough. These will be used to complete the circuit, inserting the black wires into the blue ball and the red wires into the orange ball.



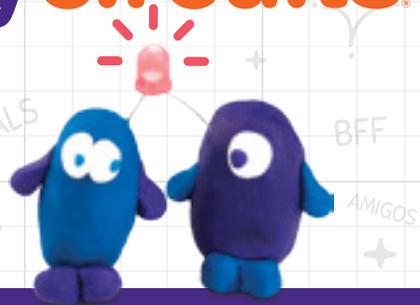
- 6 Last, attach the battery holder. Insert the red wire into the orange ball and the black wire into the blue ball. Turn on the battery holder to spin the fan blade and turn on the buzzer.



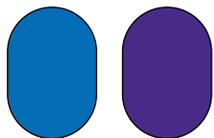
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build instructions for:
Squishy Buddies

colors needed:



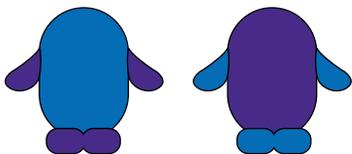
- 1 Create the bodies by rolling a piece of purple dough and a piece of blue dough into oval shapes.



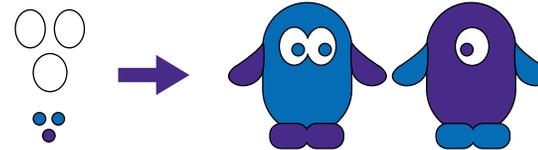
- 2 Create arms by forming two pieces of blue dough and two of purple dough into tear drop shapes. Form a heart shape for the feet.



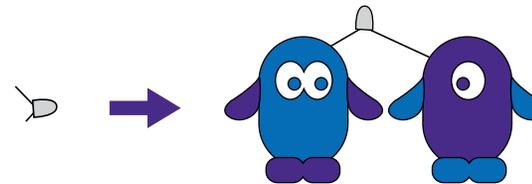
- 3 Place the purple arms and feet onto the blue body and the blue arms and feet onto the purple body.



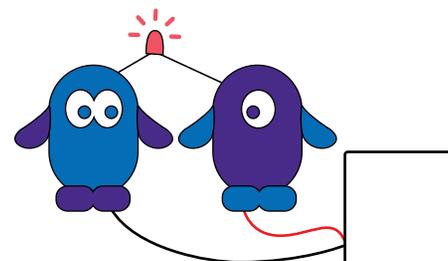
- 4 Roll out and flatten three small oval shapes using the white dough and three smaller circles using blue and purple dough. Place two eyes on the blue body and one on the purple.



- 5 Insert the short leg of the LED into the blue buddy's head and the longer leg into the purple buddy's head.



- 6 Last, insert the red wire from the battery holder into the blue feet and the black wire into the purple feet. Turn on the battery holder to light up your squishy buddies!



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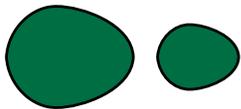
build instructions for:

Triceratops

colors needed:



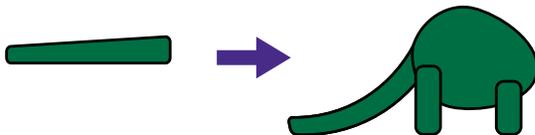
1. Make two egg shapes (one larger than the other).



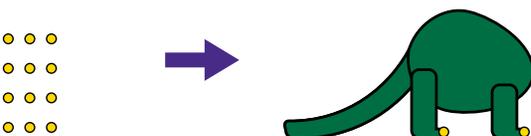
2. Make the legs and attach these to the body.



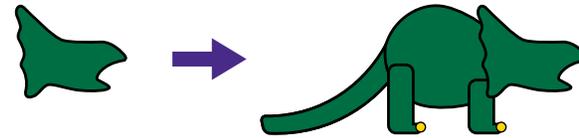
3. Time to make the tail and attach to the body.



4. Create 12 toes out of yellow. At this point shape feet on the bottom of the legs to attach the toes to.



5. Using the small egg shape from step 1, create the head and attach it to the body.



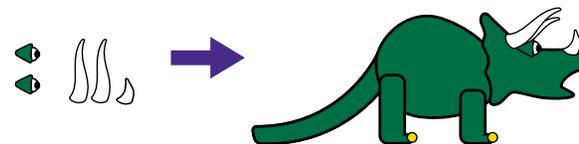
6. Using the white dough, make 2 long horns, 1 short horn and 2 eyes.



7. Using the black dough, make the eye pupils, and attach them to the eyes. Then, use some green dough to wrap around the eyes before attaching to the head.



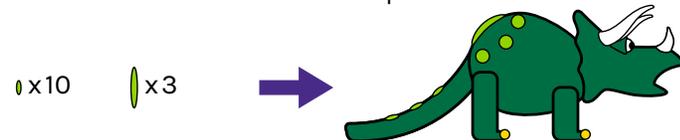
8. Attach eyes to the head, then attach horns to the body.



9. Using the light green dough create some small balls before you flatten them into scale shapes.



10. Attach scales to the Triceratops.



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build instructions for: Tugboat

colors needed:



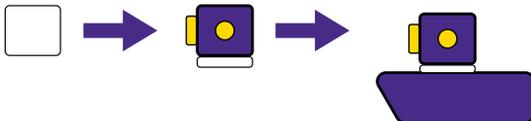
- 1 Create the hull and wheelhouse of the tugboat using purple dough. The wheelhouse should look like a cube, and the hull should be shaped like a boat.



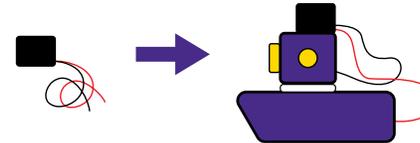
- 2 Create the windows for the wheelhouse using yellow dough. You will need two side windows and larger front window. Attach the windows to the wheelhouse.



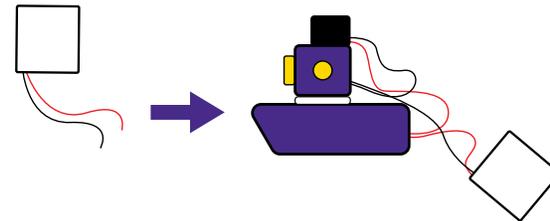
- 3 Using the white insulating dough, make a thin square roughly the same size as the bottom of the wheelhouse. Sandwich the white insulating dough between the wheelhouse and the hull.



- 4 Place the buzzer on top of the wheelhouse. This will be the smokestack for the tugboat. The wires will need to face the back of the boat. Insert the red wire into the rear of the hull, and insert the black wire into the back of the wheelhouse.



- 5 Last, attach the battery holder to the tugboat. Insert the red wire into the hull and the black wire into the back of the wheelhouse. Turn on the battery holder to make the buzzer sound.



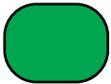
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build instructions for: Turtle

colors needed:



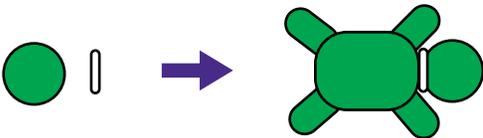
- 1 Create the body of the turtle by forming a circle shape using the green dough.



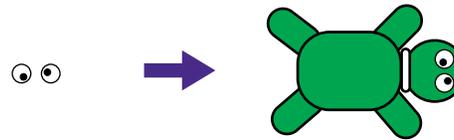
- 2 Next, create four legs using the green dough and attach each to the body.



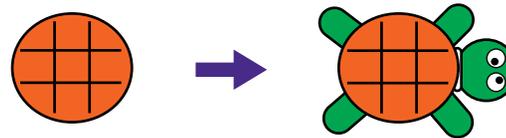
- 3 Create the head by rolling a ball of green dough. Flatten a piece of white dough and attach both to the body.



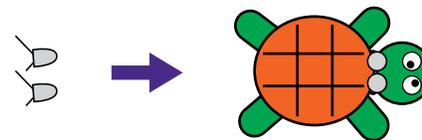
- 4 Attach two googly eyes to the head (optional).



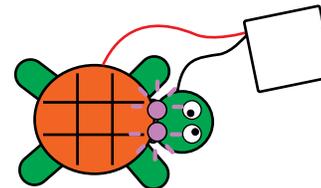
- 5 Create the turtle's shell by flattening a piece of orange dough into a circle shape. Add the shell pattern using the dough knife.



- 6 Insert the long LED legs into the turtle's shell and the short legs into the turtle's head.



- 7 Last, insert the red wire from the battery holder into the body of the turtle and the black wire into the head. Turn on the battery holder to light up your turtle!



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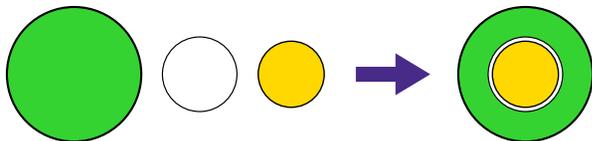
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build instructions for:
UFO

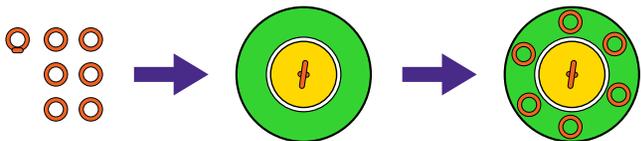
colors needed:



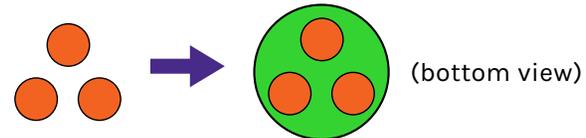
- 1 Create the body of the UFO using the green, yellow and white insulating dough. Sandwich a thin circle of white dough between a flattened green circle and a yellow half circle.



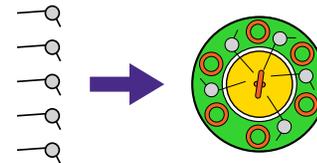
- 2 Make the round antenna and turbo vent rings using orange dough. Attach the antenna to the top of the yellow and the turbo vents can be evenly spaced on the green area.



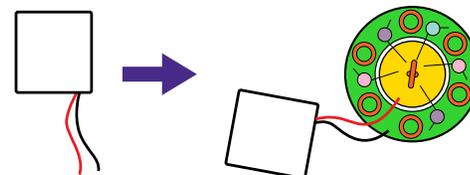
- 4 Create the landing gear for the UFO by rolling out three balls of orange dough to be the same size. These will be attached to the bottom side of the green dough.



- 5 Attach five LEDs by inserting the wire prongs into the colored dough. Make sure that the longer wire is inserted into the yellow dough and the shorter wire is inserted into the green dough.



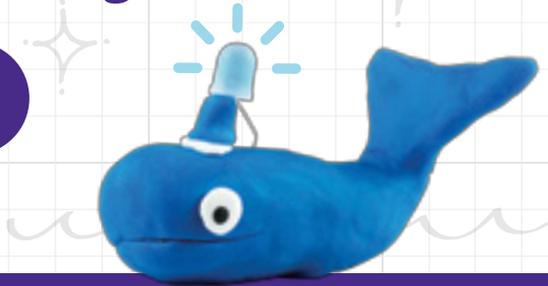
- 6 Last, attach the battery holder. Insert the red wire into the yellow dough and the black wire into the green dough. Turn on the battery holder to see the lights shine.



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build instructions for: Whale

colors needed:



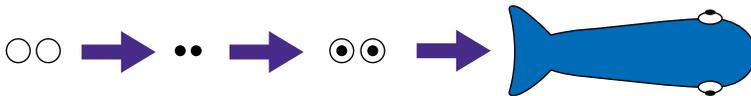
- 1 Create body by rolling a large piece of dough into "tear drop" shape.



- 2 To create tail pinch out the narrow end of "tear drop" body into fan shape. Raise tail to stand off of table.



- 3 To create eyes roll out two white balls and two smaller black balls. Place the black dough on top of the white dough to make eyes. Place on side of whale head.



- 4 Use insulate white dough to make blowhole. Place on top of whale's head.



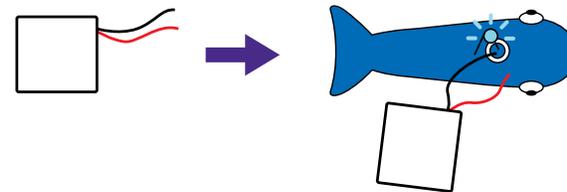
- 5 Roll a small tube of conductive for the water spout. Stand up on top of white blowhole.



- 6 Insert the short leg of the LED into the water spout. Be sure to place the longer LED leg into the whale's body. This is also where the red wire from the battery holder will be inserted.



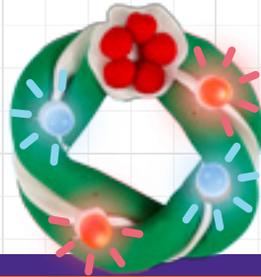
- 7 Last, attach the battery holder to the whale. Insert the red wire into the whale's body and the black wire into the water spout. Turn on the battery holder to light up the whale.



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build instructions for: Wreath

colors needed:



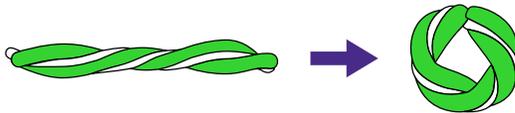
- 1 Roll out two pieces of green dough and one piece of white insulation dough. The white dough should be slightly longer than the green pieces. Leave the green dough pieces round and flatten the white dough.



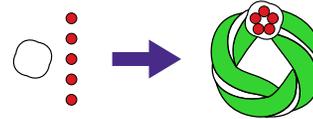
- 2 Next, place the flattened white dough in between the two green pieces and twist the three pieces together. The white dough should prevent the green dough pieces from touching each other.



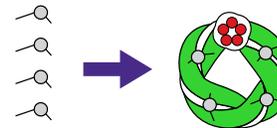
- 3 Create the round wreath shape by curving your twisted dough until the white and green ends are able to touch.



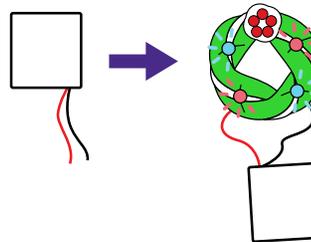
- 4 Create a flat disc of white dough and place it over the spot where the ends of the twisted dough connect. Then, add five small red balls to the top of the white dough disc.



- 5 Place four LEDs in your wreath. Be sure to insert the long terminal from all LEDs into the same green piece of dough. The short terminals will then be inserted into the other piece of green dough.



- 6 Last, attach the battery holder. Insert the red wire into the green dough with the long LED terminals and insert the black wire into the green dough with the short terminals. Turn on the battery holder to light up the LEDs.



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