

## Final



This tutorial will show you how to make an action figure with poseable arms and legs. All plastics will work for this project, but I will be using FLEXY as it provides the most durable results. Two strands were used in the steps shown.

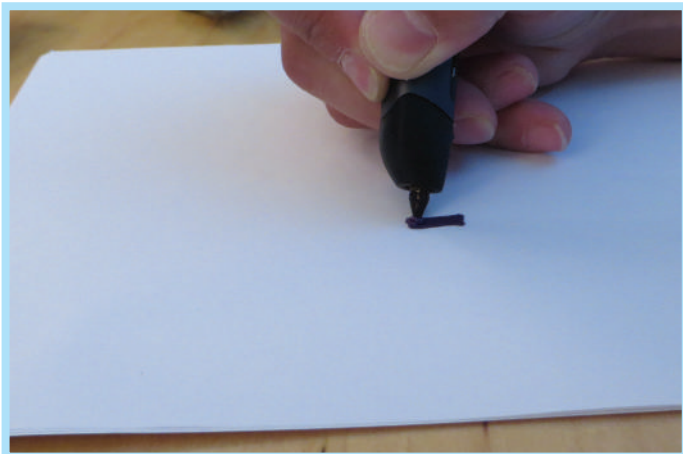
You will be guided through the steps to make the arms, legs, and body, but the rest is up to you. Once you have the basic frame, it will be up to you to add the head and whatever details and decorations you want. You don't have to make yours the same size as the one shown. Do you want a taller character? Short arms? Long legs? Four arms? Two heads? The sky's the limit! What will you create?

# Action Figure

By Louis

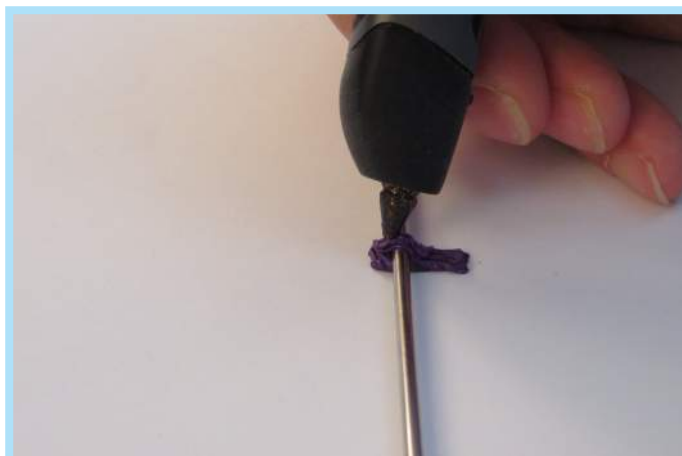


## Step 1



Doodle a 1 1/2 cm x 1/2cm rectangle. Reinforce it by alternating your stroke. (side to side, top to bottom)

## Step 2



Lay down a piece of 3mm wire across one of the ends and doodle over top of it, making sure to reinforce it.

## Step 3



Pull the wire out and repeat until you have four pieces like this.

## Step 4



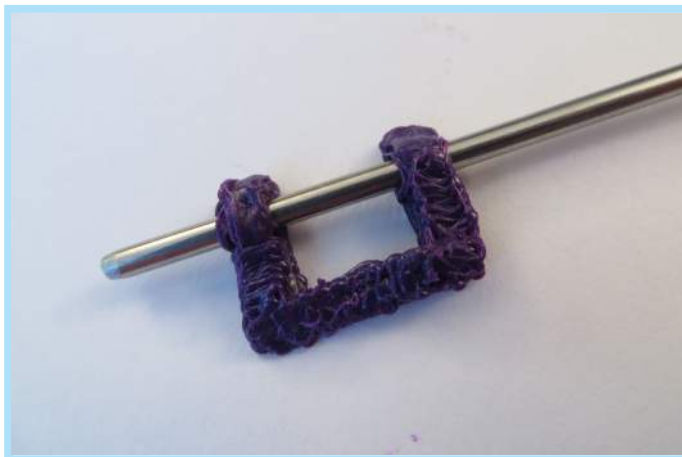
Using a fresh strand of plastic, cut one 3cm piece and two 2cm pieces.

## Step 5



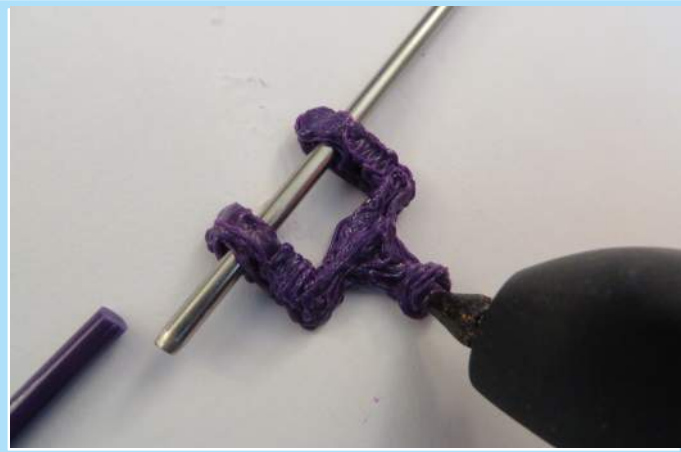
Slide two of your rectangle pieces over the wire with 1 1/2cm between them.

## Step 6



Doodle across the bottoms to create a "U" shape.

## Step 7



Doodle a short length down from the middle to form a "Y" shape.

## Step 8



Using the wire as reference to stay parallel, attach the 3cm piece of fresh plastic. These are the hips.

## Step 9



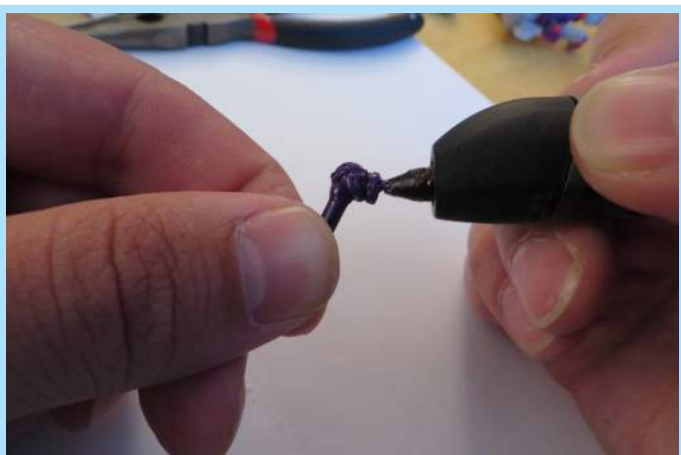
You now have 5 pieces. The body, the two rectangles for the legs and the 2 pieces of plastic for the arms.

## Step 10



Melt into the end of the shoulder piece and then start extruding to form a strong bond.

## Step 11



Build the arm out at an angle greater than 90 degrees so it can swing freely without hitting the body.

## Step 12



Build up the arm in tight coils for strength and volume, make a bend for the elbow.

## Step 13



For the hands, build up a ball of plastic at the end of the arm. Lay on paper and press metal wire into it.

## Step 14



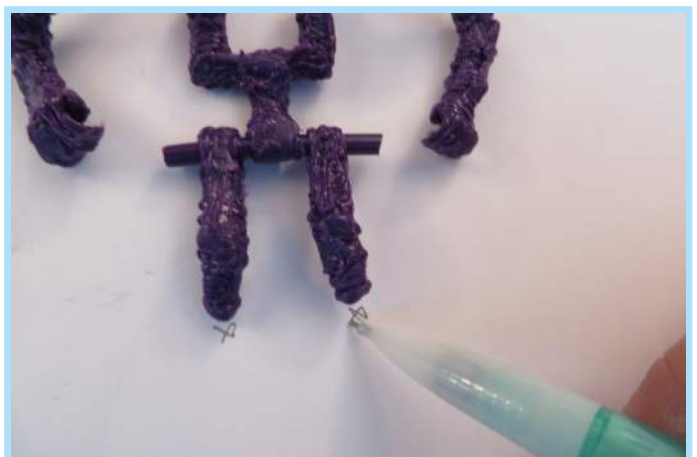
Build up the legs in the same way as the arms, tight coils for volume and strength.

## Step 15



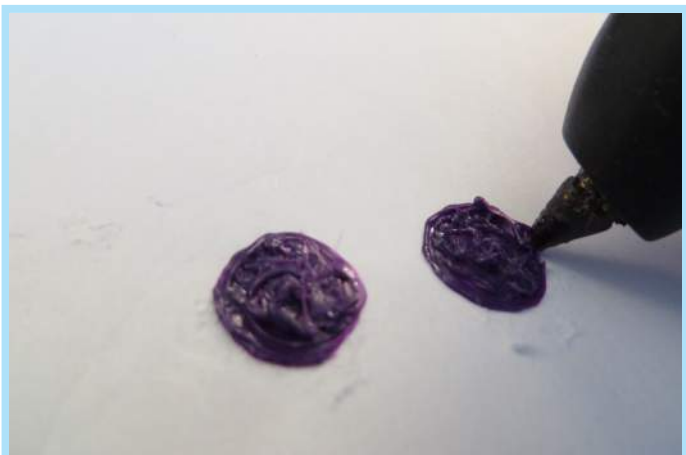
Once you get to the ankles push the legs onto the hips.

## Step 16



Mark on paper where the ankles line up.

## Step 17



Doodle your feet on the marks.

## Step 18



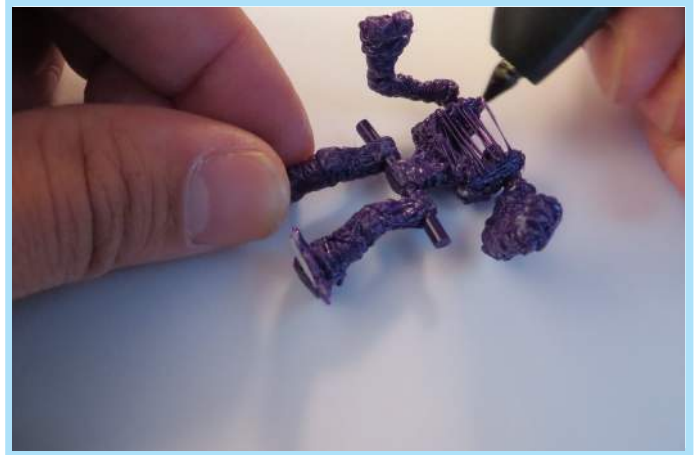
Build up a ball of plastic on both feet and press the ankles into them. Make sure they're straight and even.

## Step 19



Insert the arms into the sockets one at a time and cap the ends by melting them with the tip of the pen.

## Step 20



String plastic from one side of the shoulders to the other, making sure not interfere with the caps on the arms.

## Step 21



Use the tip of the pen to melt the ends of the hips to lock the legs in. Don't melt them together!

## Step 22



You now have a figure with moving arms and legs, ready for you to add a head and any details you want.

### Tips:

When adding plastic to a piece you've already created let the tip of the pen melt into the premade piece before extruding, this will form a stronger bond.

If your figure falls forward when you try to make it stand, add some plastic under the toe area, if your figure falls backward, add some plastic under the heel area. Press the feet flat on paper after adding plastic to make sure its flat.

Use a piece of fresh ABS or PLA for the handle of any accessories you want your figure to have, it'll fit right in the hands.

# Action Figure

By Louis



I added a head and armor to make a poison dart frog warrior, complete with FLEXY blue tongue and poison tipped spear. What will you create?