



# Hole Punch LED Tuna

Use this guide, along with some basic Crazy Circuit components, LEGOs and our downloadable template to create an articulated Tuna with a light-up eye!

Written By: Andy Wallus



# INTRODUCTION

Use this guide, along with some basic Crazy Circuit components, LEGOs and our downloadable template to create an articulated Tuna with a light-up eye!



## TOOLS:

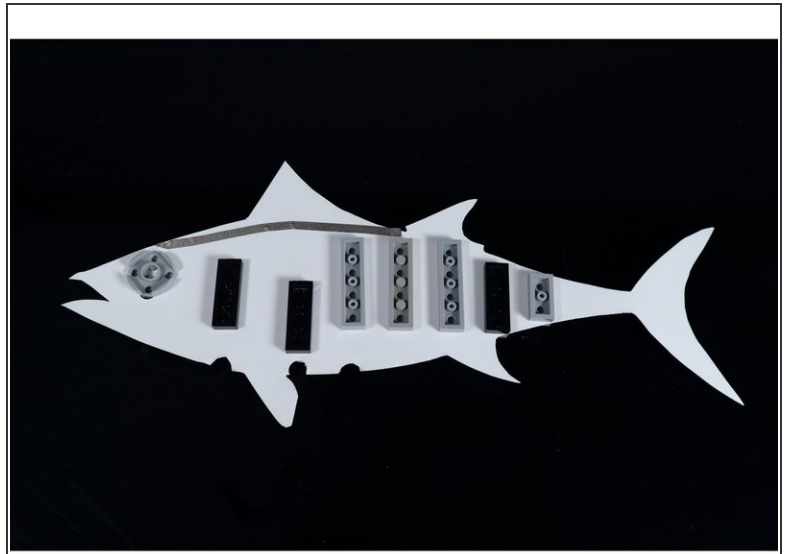
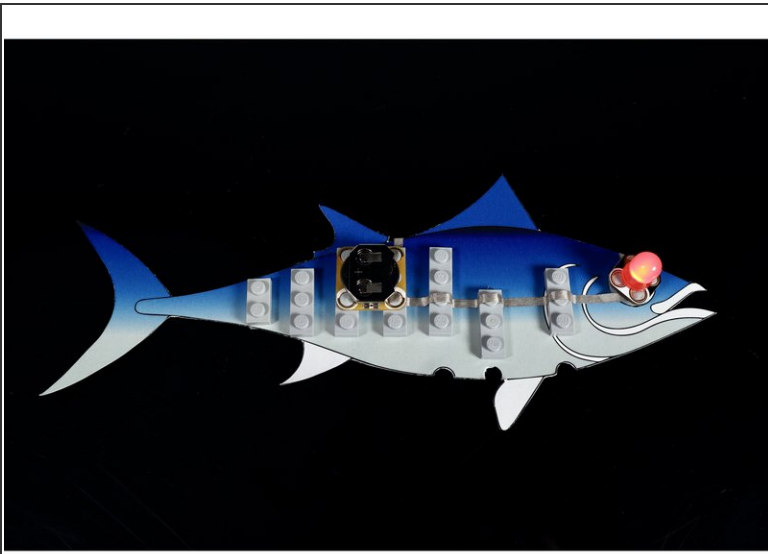
- [Scissors](#) (1)
- [Markers, Crayons, or Colored Pencils](#) (1)  
*Only needed if using the uncolored version*
- [Hole Punch](#) (1)



## PARTS:

- [Printable Template](#) (1)
- [Maker Tape, 1/4" Wide](#) (1)
- [Crazy Circuits LED Chip](#) (1)
- [Crazy Circuits Coin Cell Battery Holder](#) (1)
- [CR2032 Battery](#) (1)
- [LEGO Plate 1 x 2](#) (2)
- [LEGO Plate 1x3](#) (6)
- [1x4 LEGO plate \(3710\)](#) (6)
- [LEGO Tile 2 x 2 Round with Hole in Center \(15535\)](#) (2)

## Step 1 — Hole Punch LED Tuna



- **Print your choice of colored or uncolored template on your choice of paper** (heavy card stock works best but plain copy paper will also work).
- **Gather the materials listed** on the file at the bottom of this guide.
- **Cut out tuna with a scissors and use a hole punch afterward to punch out the holes.** You will need to use the small notches on the belly of the fish to access some of the hole positions.
- **Press LEGO pieces into place** with one on the back and its matching piece on the opposite side so studs face you when viewing project from the front. The tuna template should be sandwiched between these pieces.
- Use the tape paths portion of the circuit diagram to guide you while you **measure, cut, peel and stick Maker Tape paths where indicated.**
- **Add circuit components and battery where shown on the circuit diagram.**