



# ASTRO PI<sup>1</sup> MISSION ZERO

## Part 1: Fuse Bead Art

*Send a personalised image to the astronauts on the International Space Station! Your image should be inspired by nature, on Earth or beyond: trees, flowers, animals, insects, rainbows, or alien life forms.*



These are all 8x8 pixel-art (8 pixels high by 8 pixels wide).  
**Pixels** are **picture elements**.

1) Design an 8x8 image using **fuse beads**.

You will need:

- A plastic pegboard
- Lots of fuse beads
- craft tweezers

---

<sup>1</sup> [astro-pi.org](http://astro-pi.org)

- 2) Make sure your design is no more than **8x8** beads.  
You can leave **empty** background spaces.
- 3) An adult will use an electric iron to heat and fuse the beads for 30 seconds, using the special ironing paper, keeping the iron on the move.
- 4) After ironing the first side, we'll remove the fused beads from the pegboard and iron the other side.
- 5) Let the fused beads cool down. Place something heavy on them to prevent warping.

Here's one I created earlier...



Next week we'll turn your designs into 8x8 sprites.