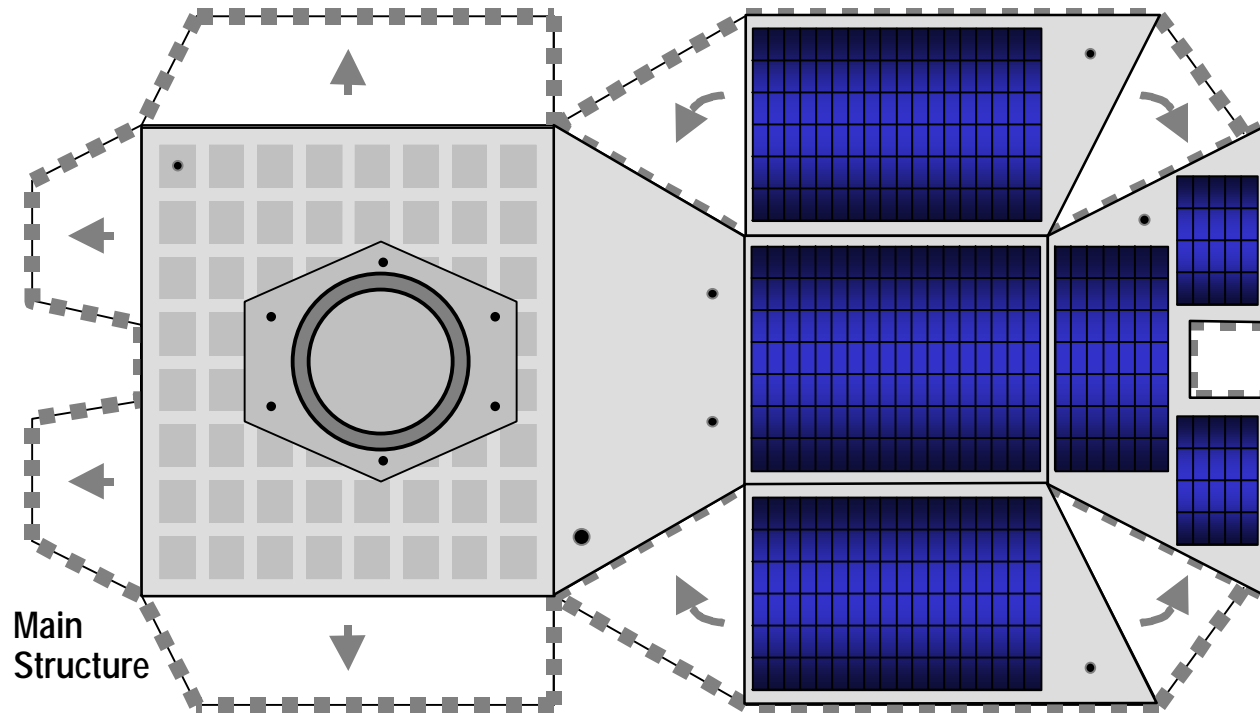


Make your own Citizen Explorer 1

Citizen Explorer 1 is the first of a series of small satellites which will provide live information about the Earth and its environment directly to K-12 schools. The spacecraft is currently under construction by students at the **Colorado Space Grant Consortium**. It will be launched in 1999 for a one-year mission measuring Ozone and related constituents in the Earth's atmosphere.



1. Cut out **Main Structure** on dotted lines. Fold **DOWN** on solid lines to form a box, and glue tabs underneath to secure. There should be a hole on top for the **Boom**.

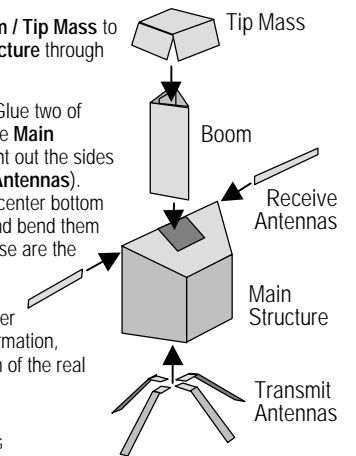
2. Cut out **Boom**. Fold on gray lines to form a triangular tube. Fold last tab into tube and glue to secure.

3. Cut out **Tip Mass**, fold sides down, and glue to top of **Boom**.

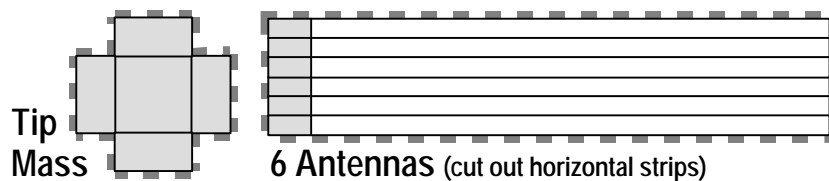
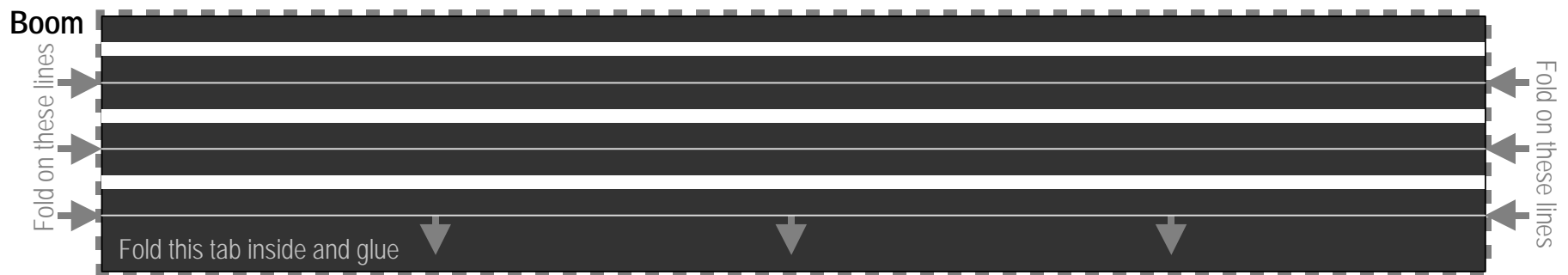
4. Glue assembled **Boom / Tip Mass** to inside rear of **Main Structure** through hole in top.

5. Cut out **6 Antennas**. Glue two of them to the top rear of the **Main Structure** sticking straight out the sides (these are the **Receive Antennas**). Glue four of them to the center bottom of the **Main Structure** and bend them down at a 45° angle (these are the **Transmit Antennas**).

6. See the Citizen Explorer Fact Sheet for more information, and watch for the launch of the real CX-1 in 1999!



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Colorado Space Grant Consortium

for more information, visit our **web site** at <http://citizen-explorer.colorado.edu>

