

1. Gather all materials.
2. Use strips of duct tape to wrap large cardboard tube.
3. Decide on a shape for fins, draw onto foam board, and cut out fins.
4. Use sandpaper to remove any rough edges.
5. Use hot glue to place fins on rocket equally spaced apart.
6. Construct engine chamber using small cardboard tube rolled to the size of the engine.
7. Cut strip of aluminum from can and attach to the bottom of the engine chamber.
8. Glue engine stop to the top of the engine chamber.
9. Glue engine chamber inside the bottom of the large cardboard tube.
10. Cut pieces out of foamboard to construct nosecone.
11. Cut strip of aluminum can & form into a circle. Glue foamboard pieces to can & together to construct nosecone.
12. Cut rubberband to make shock cord. Glue one end into rocket body and glue the other end in nosecone.
13. Glue one marble into nosecone.
14. Place recovery wadding in to body tube above engine stop.
15. Cut 2 strips, about 30cm long, out of your bag and tie them to the nosecone end of the shock cord.
16. Roll strips and tuck inside body tube.
17. Seal body tube closed if necessary.
18. Place nosecone onto rocket body.
19. Glue launch lug, in between fins, about halfway down the rocket tube.
20. Purchase silhouette panel & determine center of mass & pressure.