Mr. Byrne Audio Systems Project

*Paper Speaker Instructions*

1. Cut 12” x 12” square out of cardboard

2. Draw diagonal lines from corner to corner to locate the center of the cardboard

3. Hot glue a magnet to the middle of the cardboard

 -Don’t burn yourself

4. Wrap a piece of cardstock around ½” dowel rod and tape it together

5. Go into hallway and wind 30’ of magnetic wire around

 cardstock cylinder

 - keep windings as tight as possible and no wider than ¼” in width

 -Leave 12” of wire free from both ends

6. Hot glue cardstock to paper plate

 -make sure the coil is away from the plate

7. fold up a piece of 1” wide by 3” long cardstock into a “W” to form the spiders. (Quantity 4)

8. Glue spiders to cardboard frame and paper plate.

9. Connect radio output to winding and listen form music