



Dragon Ball Z "Dragon balls"

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Summary

A miniature version of the seven dragon balls from the Dragon Ball Z anime!

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Summary: A miniature version of the seven dragon balls from the Dragon Ball Z anime! Each of the seven dragon balls is represented in the model by a separate star that corresponds to their amount. The model was designed to suit a 15 x 15 space with a support system. For best model presentation, we created an innovative stand that positions the model at a 70.00 degree angle.

Lesson plan + activity: My coworker Ayanna Vegas and I were given the assignment to use SolidWorks to develop a piece of 2D art for this project. Our final goal was to produce identical designs while improving our teamwork and SolidWorks 3D modeling ability.

Parts:

Stavega2dart_s_ Display	black	display for the print	hatchbox black
Stavega2dart_s_newball1	orange	dragon ball 1	transparent orange
Stavega2dart_s_newball2	orange	dragon ball 2	transparent orange

Stavega2dart_s_newball3	orange	dragon ball 3	transparent orange
Stavega2dart_s_newball4	orange	dragon ball 4	transparent orange
Stavega2dart_s_newball5	orange	dragon ball 5	transparent orange
Stavega2dart_s_newball6	orange	dragon ball 6	transparent orange
Stavega2dart_s_newball7	orange	dragon ball 7	transparent orange
Stavega2dart_s_newstars1	red	stars for first dragon ball	trans red
Stavega2dart_s_newstars2	red	stars for second dragon ball	trans red
Stavega2dart_s_newstars3	red	stars for third dragon ball	trans red
Stavega2dart_s_newstars4	red	stars for fourth dragon ball	trans red
Stavega2dart_s_newstars5	red	stars for fifth dragon ball	trans red
Stavega2dart_s_newstars6	red	stars for sixth dragon ball	trans red
Stavega2dart_s_newstars7	red	stars for seventh dragon ball	trans red

Assembly/Construction:

1. Start with all dragon balls with stars put into them (don't have photos of putting stars in)
2. Put each star starting with the 7 star in the middle then the 1 star at the top counting up stars to the right



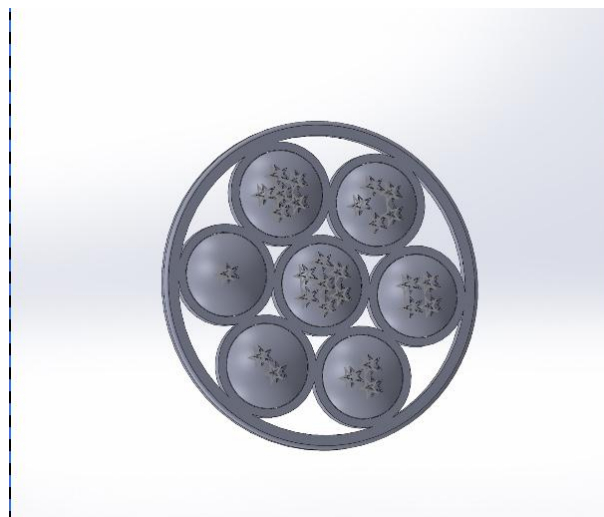




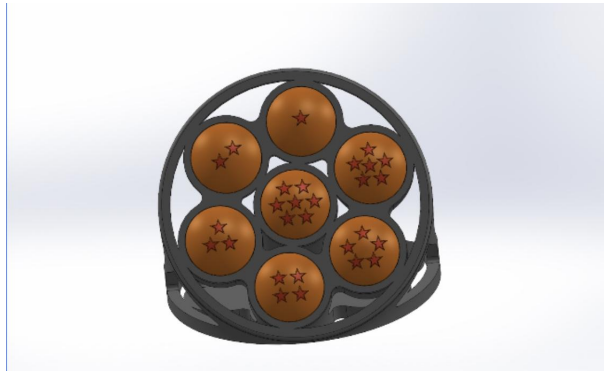


Design choices:

To provide a more see-through background, the first design decision was to drill holes in the display's gaps. We had originally planned to have a flat display, but we wanted to add additional background detail, so we finished in the spaces between the gaps by cut extruding, and fileting the edges.



For this project, I went with a more reflective final color for the stars and dragon balls to better resemble the real thing in the anime. My partner and I ultimately decided to go with the orange and red with more shine as the other options were a more matte orange and red that matched the display better but wouldn't match the in-show objects.



Model files

stavega_s_2dart.sldprt

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