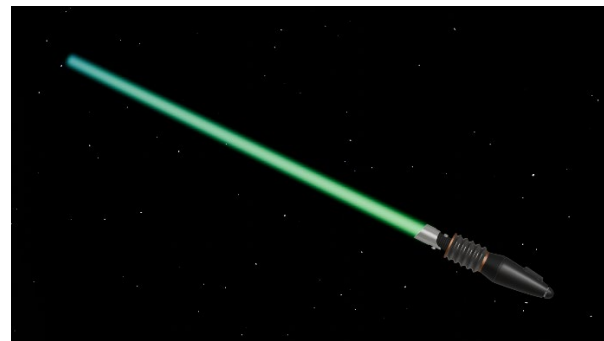
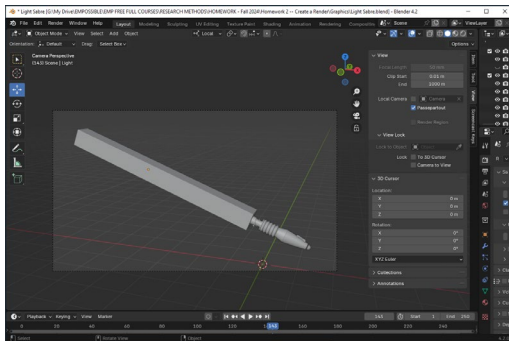


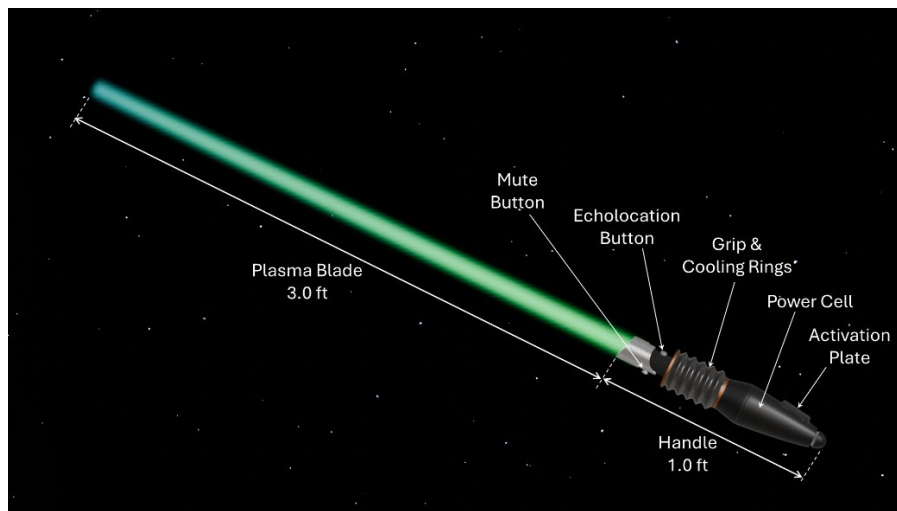
### Problem #1 – Model a Lightsaber

Using Blender, model and render a Star Wars lightsaber. Make the render as photorealistic as you can. Be sure your visualization shows both the handle and the plasma blade. Include at least two different types of materials in the handle. Insert the render into your homework document along with a screenshot of your model in Blender. An example of what you might submit is shown below. Use your imagination and have fun! There is no need to make your lightsaber look exactly like the one below.



### Problem #2 – Create an Annotated Figure

Import your render into a vector graphics tool (Inkscape, Illustrator, etc.) and annotate the lightsaber to convey its dimensions, controls, and features. You can annotate the diagram in Blender, but you may find it easier to do outside of Blender. Insert the annotated diagram into your homework document. It may look something like this...



### Notes

Your homework submission should include the following:

- a screenshot of the lightsaber in your 3D program,
- a final render of the lightsaber,
- and an annotated diagram.