

# Thermoforming DIY Project

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**Description:** Now that you've completed the thermoforming modules, it's time to design and create a unique project. You can create anything you choose as long as it satisfies the requirements listed below.

This is your time to create! Have fun with it.

**Requirements:** For this module, the only DIY project requirement is that you must make your mold from scratch. Revisit Fundamentals 2 to see different ways you can accomplish this. You should still check the grading rubric below to make sure your work covers those aspects, as well.

**Deliverables:** Submit your laser cutting, CNC routing, 3D printing, or other plan files on Canvas along with a picture of the completed project (include as many angles as necessary to demonstrate its functionality, appearance, features, etc.). Include a short description of its purpose (300 words or less) if it's not obvious.

**Grading:** You will be graded as followed.

	1 pt	2 pts	3 pts
<b>Creativity</b>	Very simple design that requires no thought		Unique/useful implementation of the learned skills
<b>Quality</b>	There is a lot of blistering, whitening, or scorching of the material. Part not post-processed.	There is some blistering, whitening, or scorching of the material.	There is no blistering, whitening, or scorching of the material. Post-processing done well.
	0 pts ←→ 10 pts		
<b>Mold Design</b>	Part warped, inappropriate angles, very simple design		Appropriate undercut and taper angles, appropriate venting, etc.

**Examples:**



**Storm trooper mask made with laser cutter**



**Mask made with CNC router**

**Other examples:**

- Dishware
- Desktop organizer