Intro

Design and fabricate your own custom automata.

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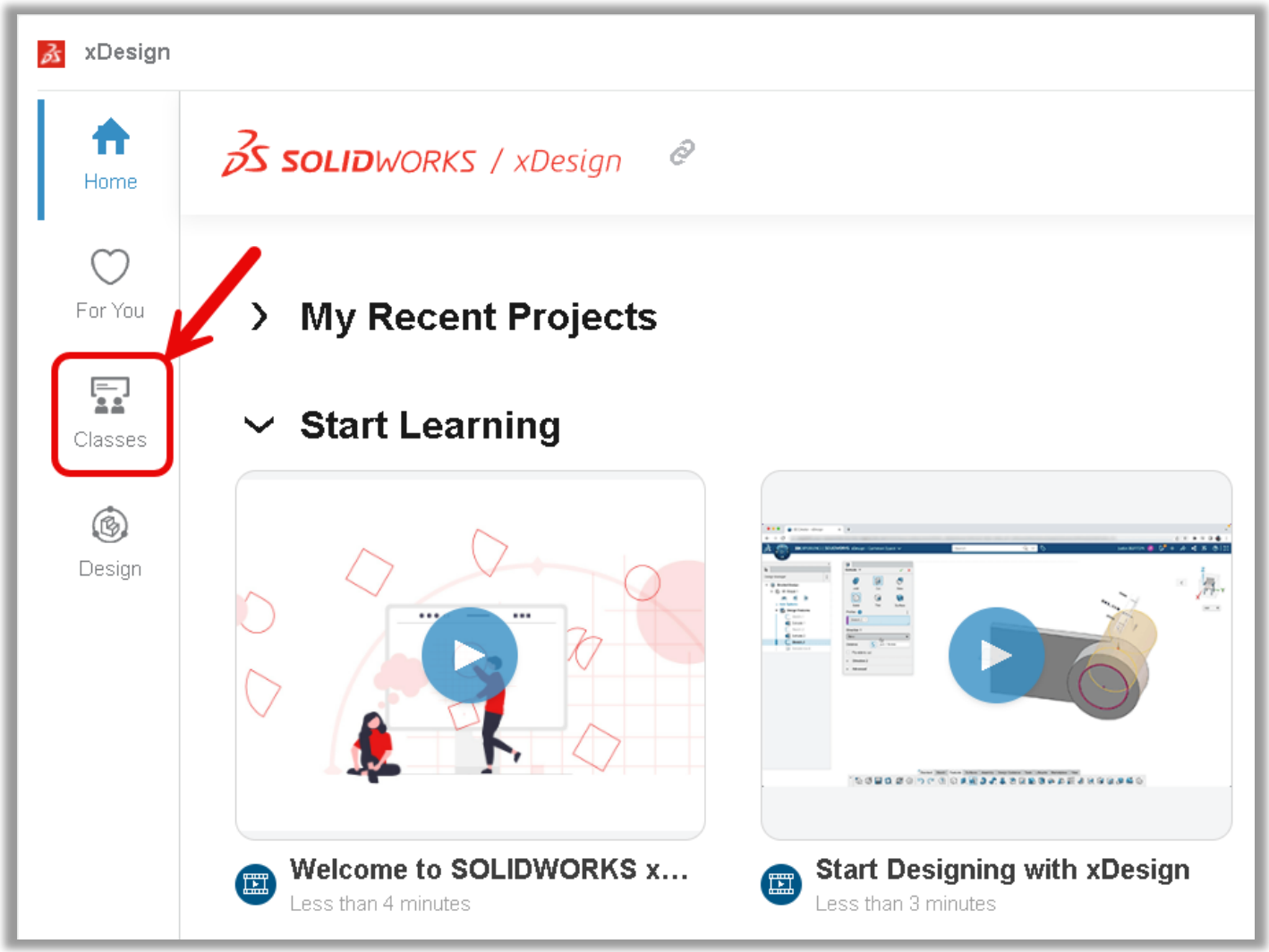
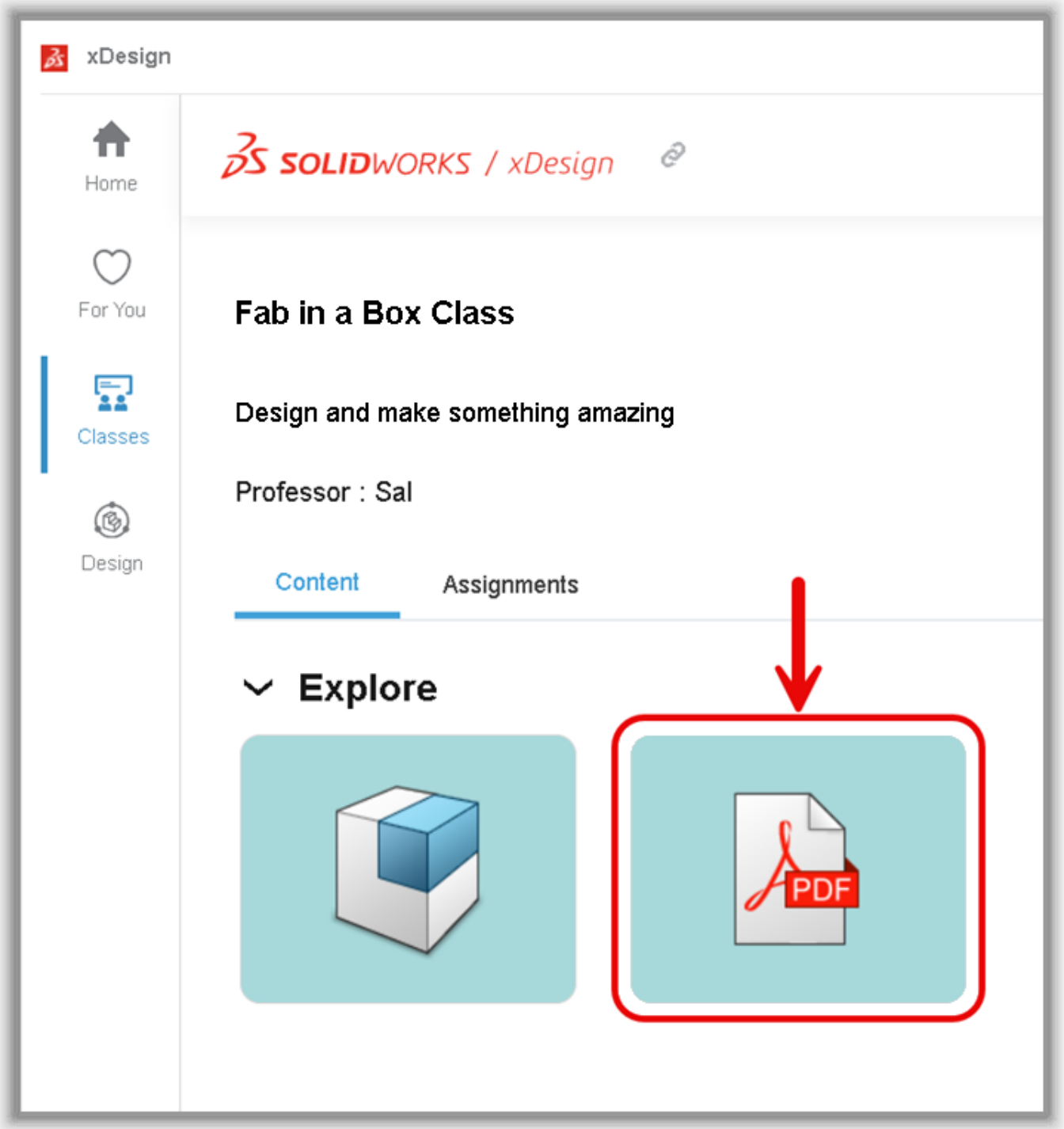
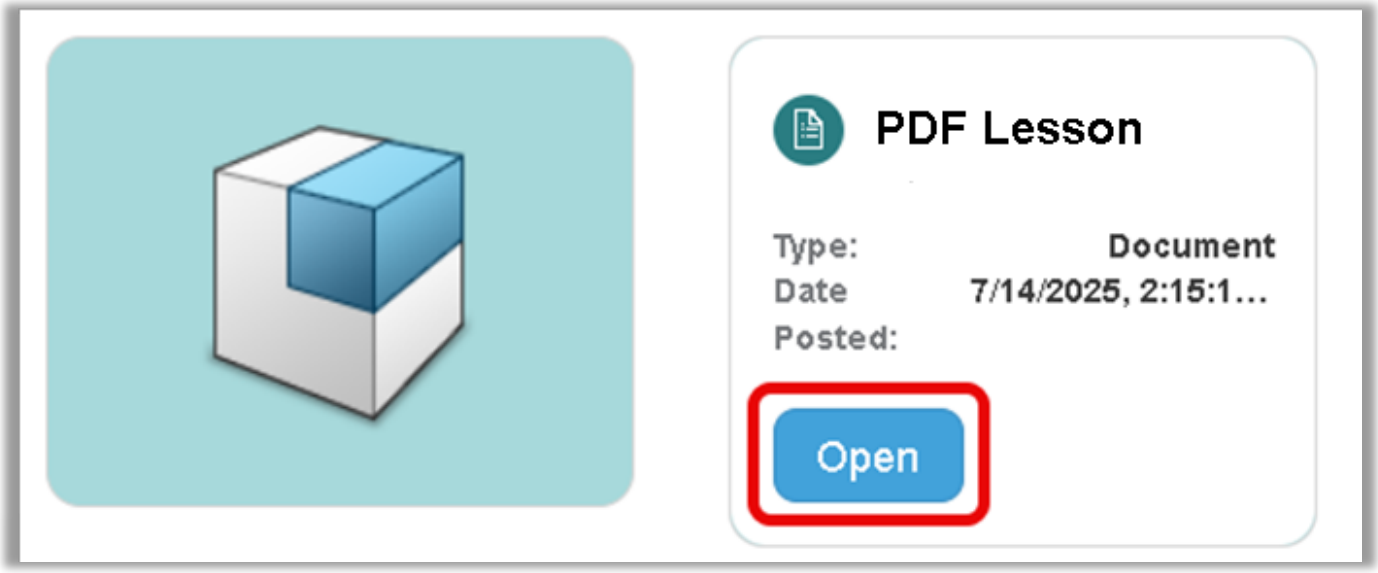
1. Click the **Classes** tab



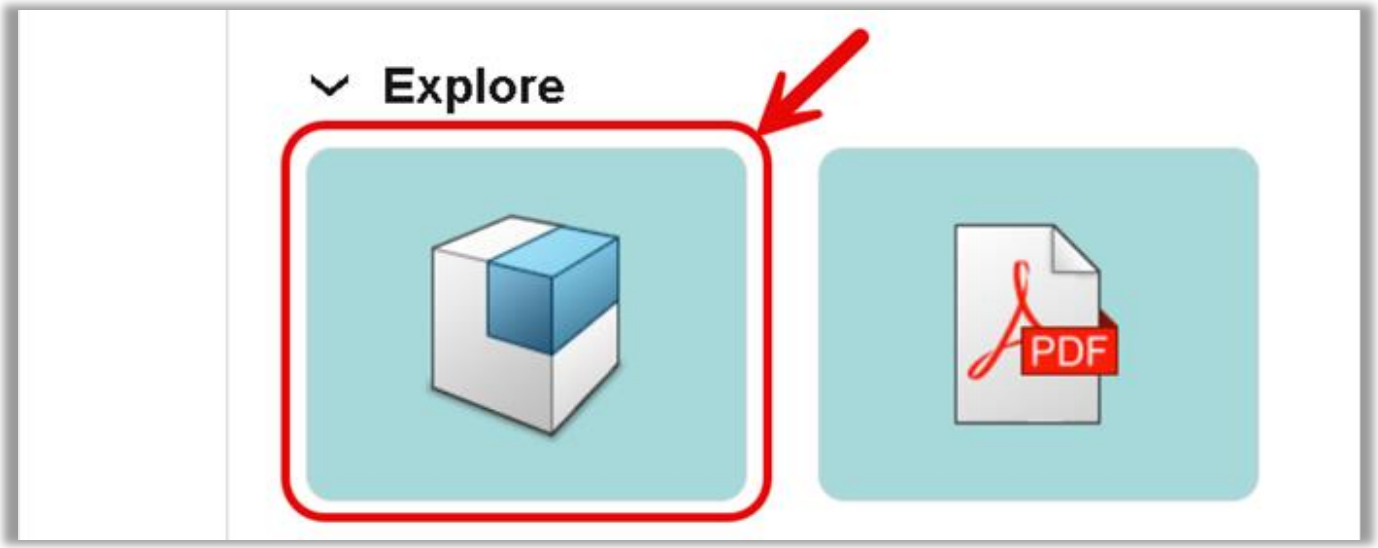
2. Hover over the PDF tile



3. Click **OPEN**



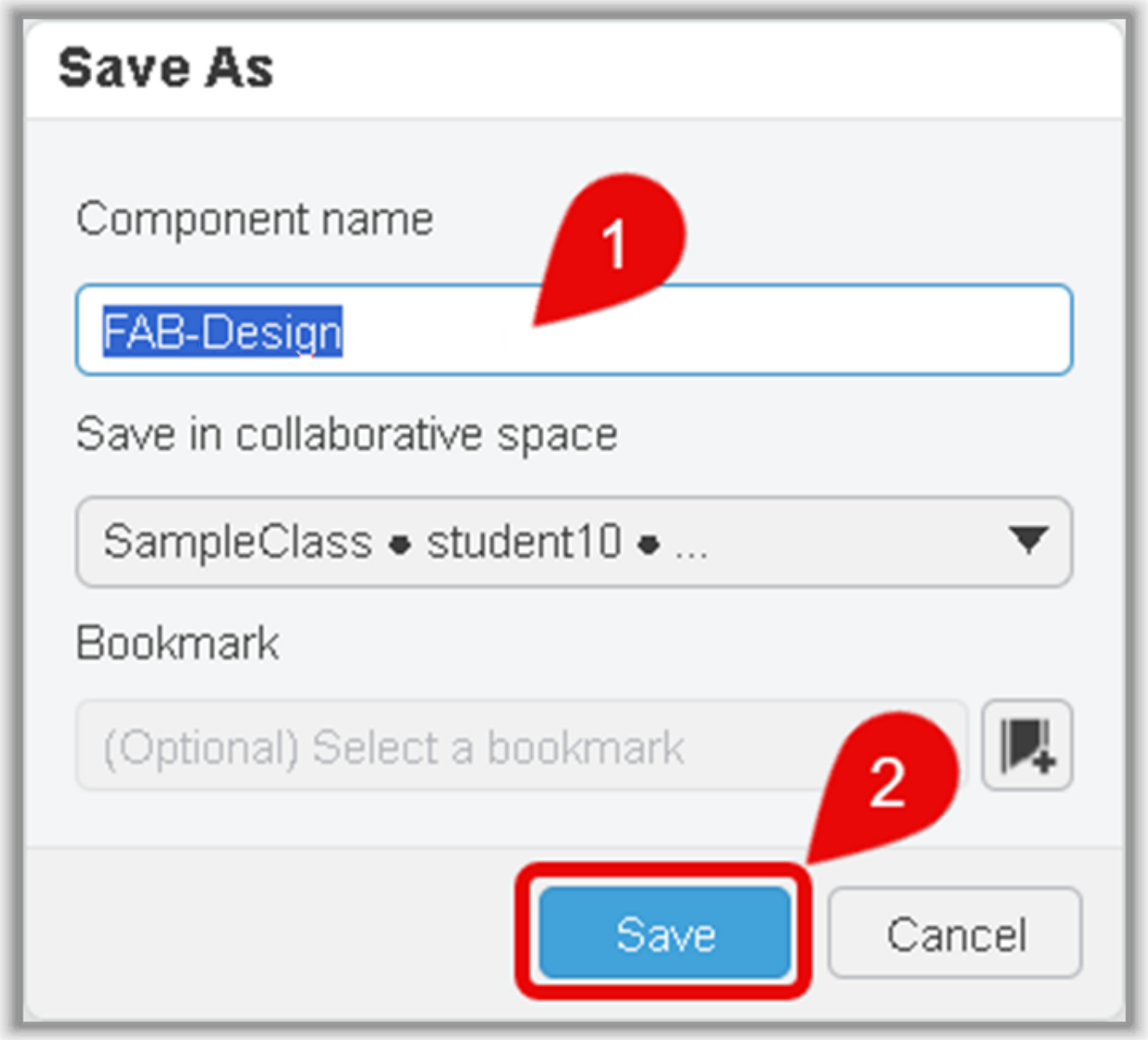
4. Hover over the "**Automata - Template"** tile



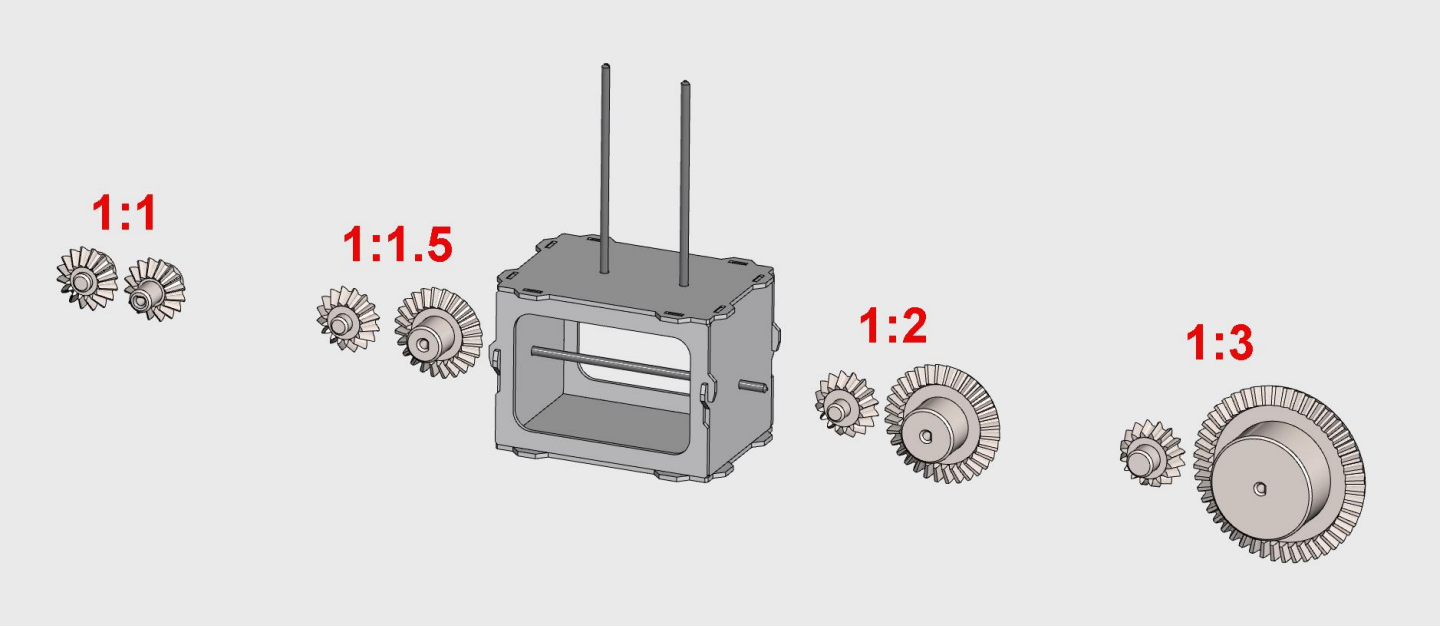
5. Click **OPEN**

6. Click **Save As** on the Standard tab of the Action Bar

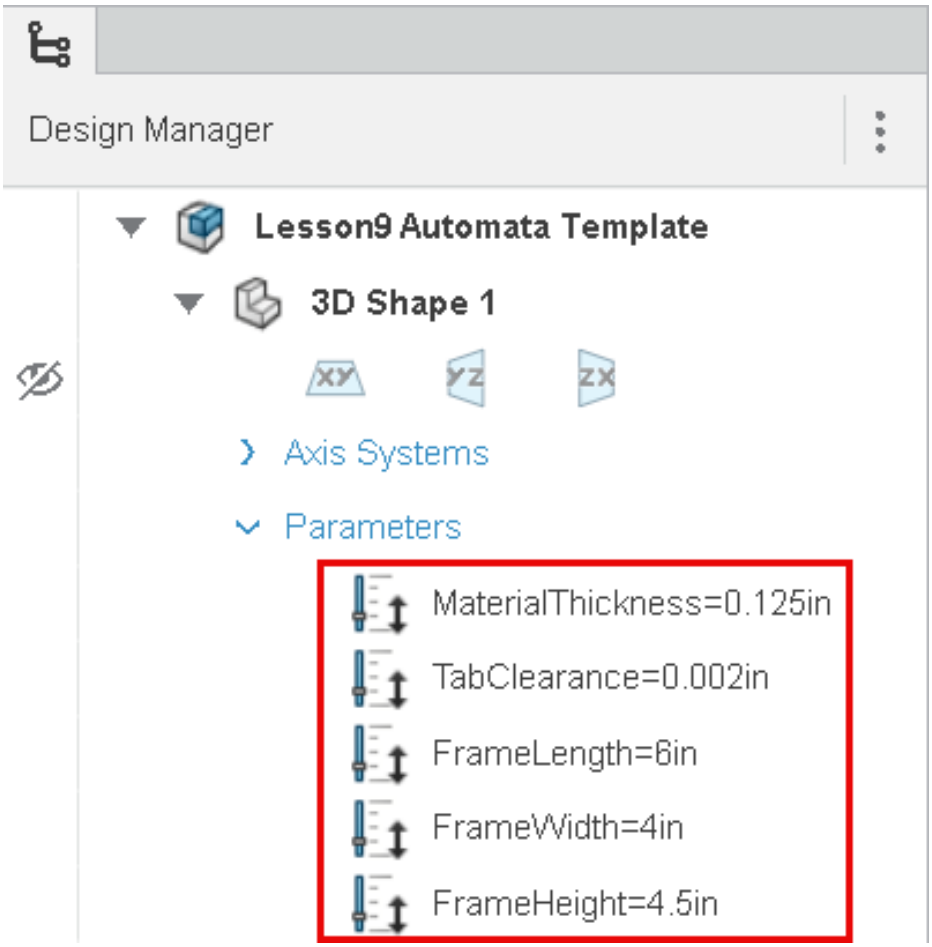
7. [1] Type a name for your design, then [2] click **Save**



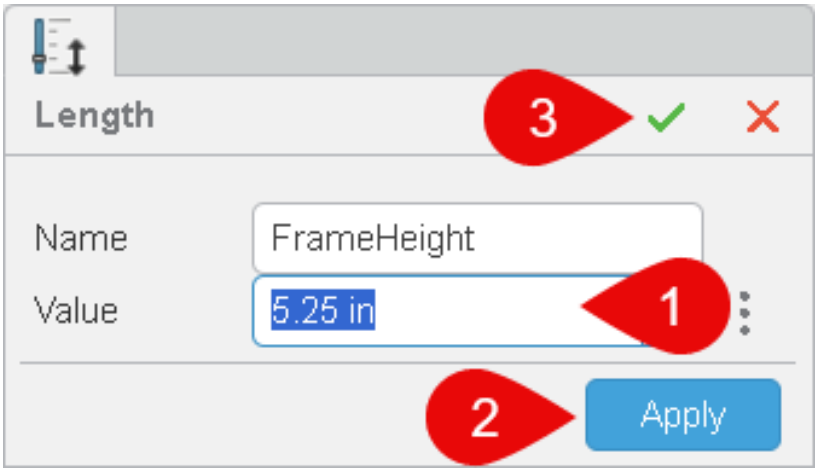
***This template contains four sets of bevel gears with different ratios. Use any number of these to create your custom automata. You can duplicate sets if you need more than one of a particular ratio, just be sure not to mix and match gears from another set because each gear will only properly mesh with the other in its pair.



8. If you want the box to be a different size, you can change any of these parameters:



9. Just double-click the one you want to change, then [1] type a new value, [2] click Apply, and [3] click OK



10. Now go design a custom handle and custom toppers! Refer back to the “Automata Explore” lesson for additional guidance and check out the how-to videos for more learning.

11. Click “Save” on the Action Bar as you progress to save your custom automata

FABRICATE YOUR AIRPLANE

12. Use the skills you acquired in previous lessons to save a set of **DXF** files for the laser cut parts and a set of **STEP** files for the 3D Printed parts of your automata

    Save the files to the 3DDrive folder your instructor told you to use

Congratulations!

You're ready to laser cut your airplane!

See your teacher for further instruction!