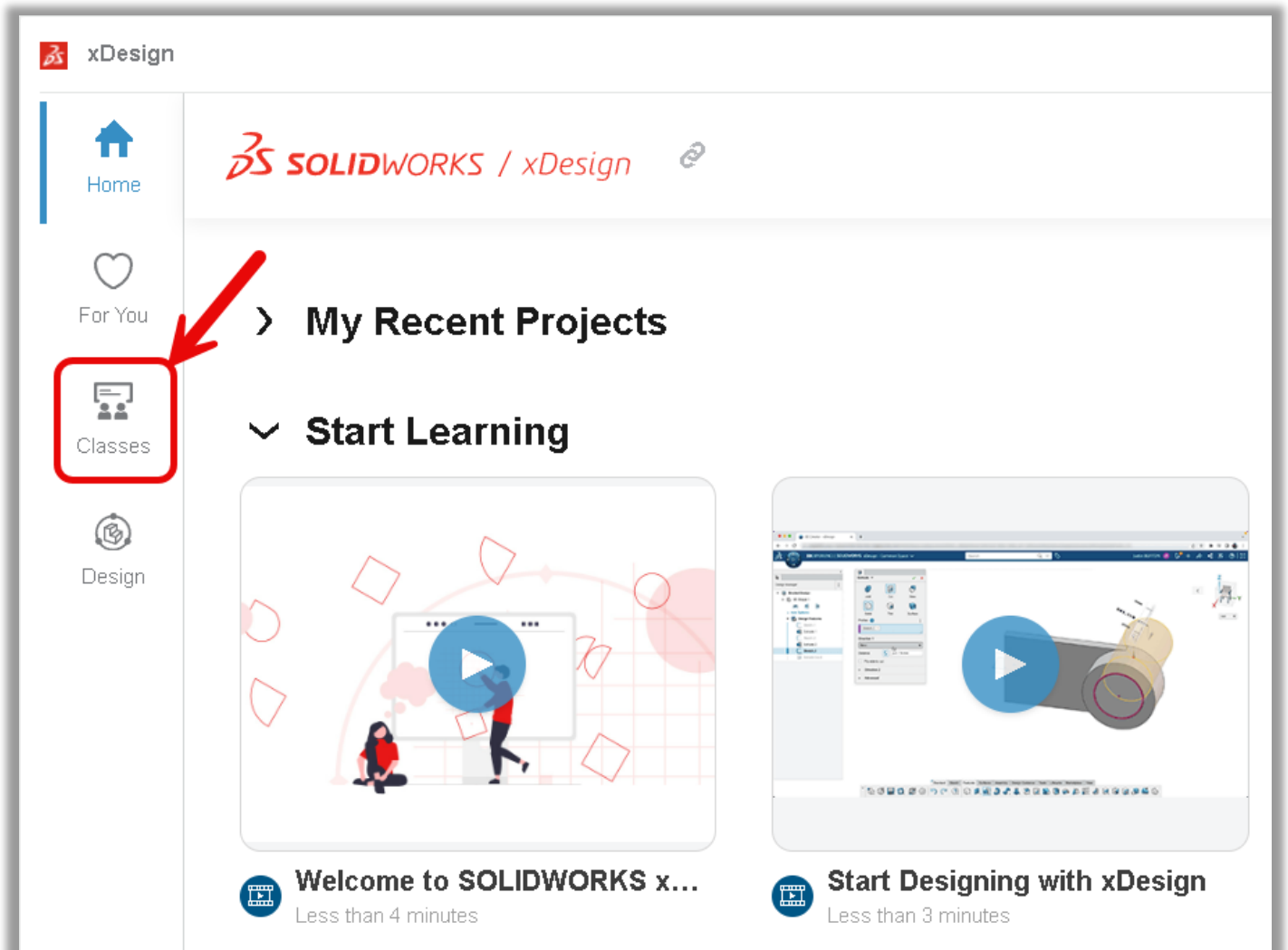
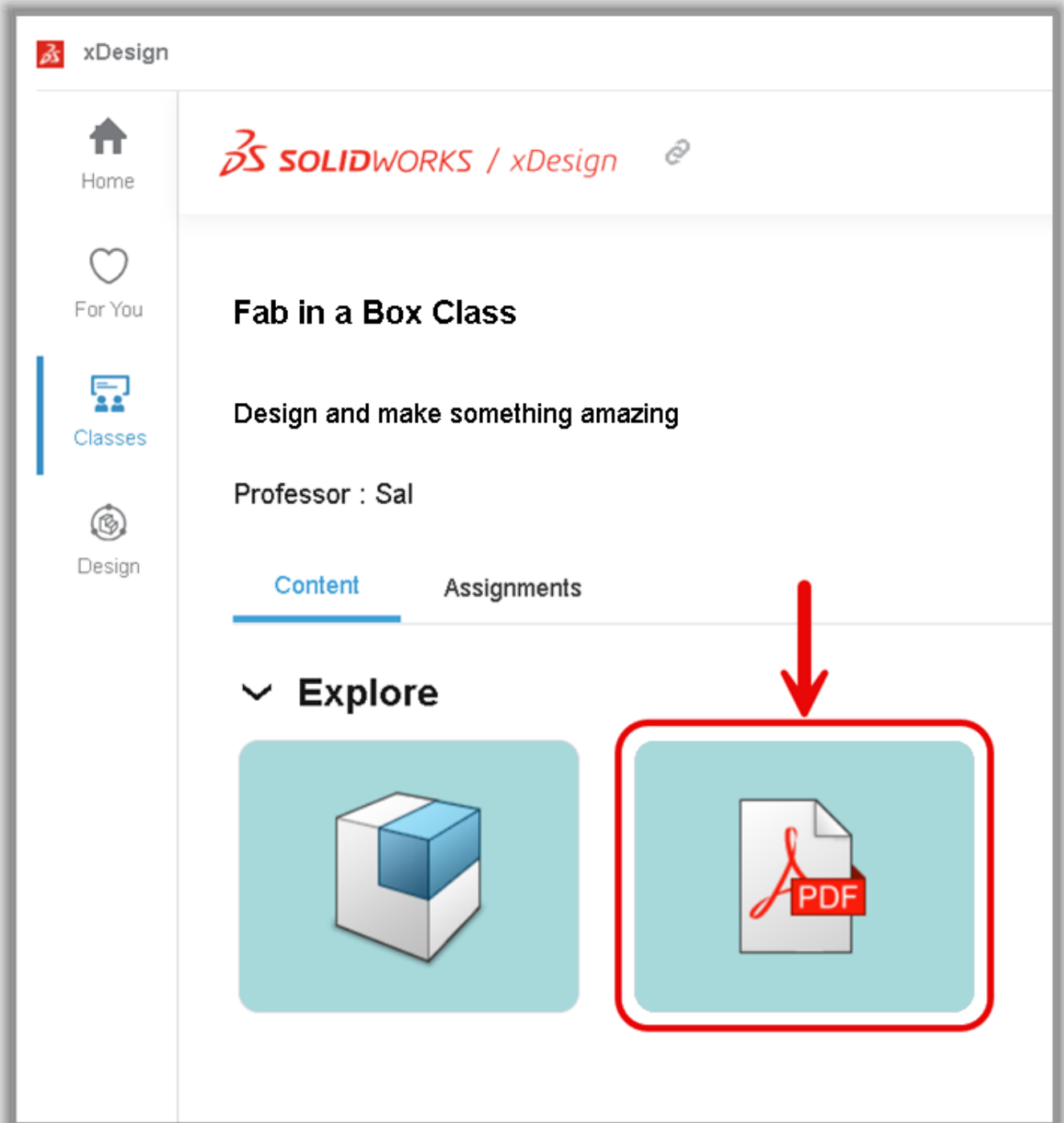


Design and fabricate your own custom pinwheel.

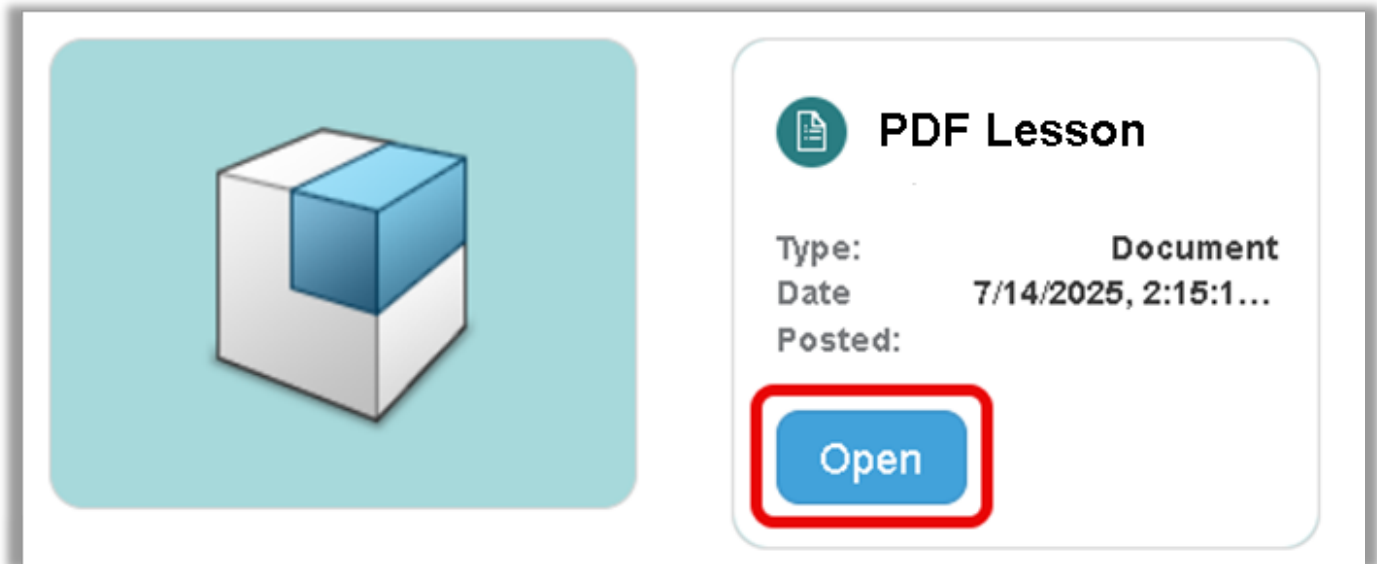
1. Click the **Classes** tab



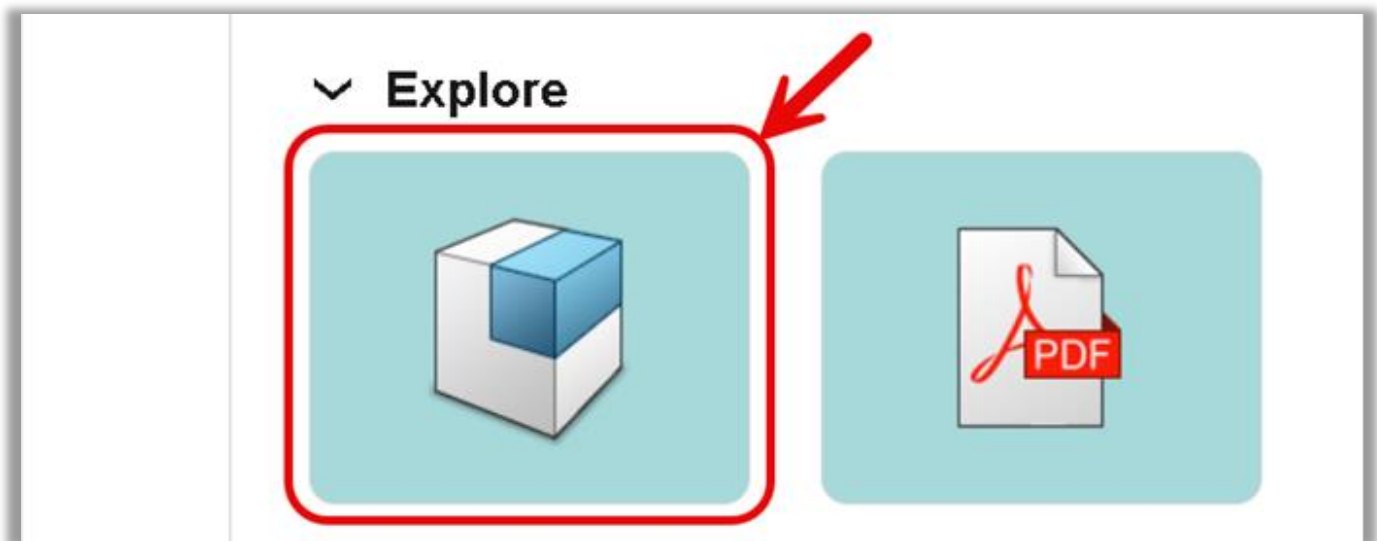
2. Hover over the PDF tile



3. Click **OPEN**



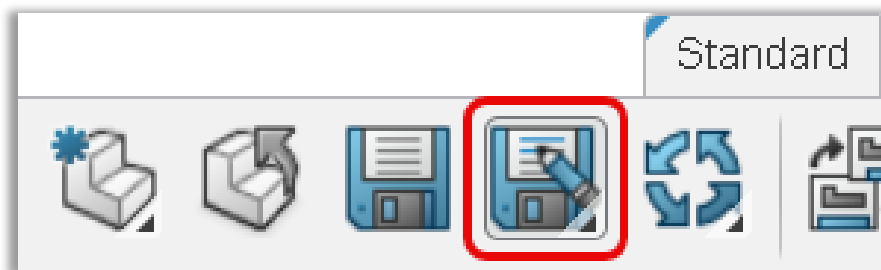
4. Hover over the “Pinwheels - Complex Geometries and Multiple Layers” tile



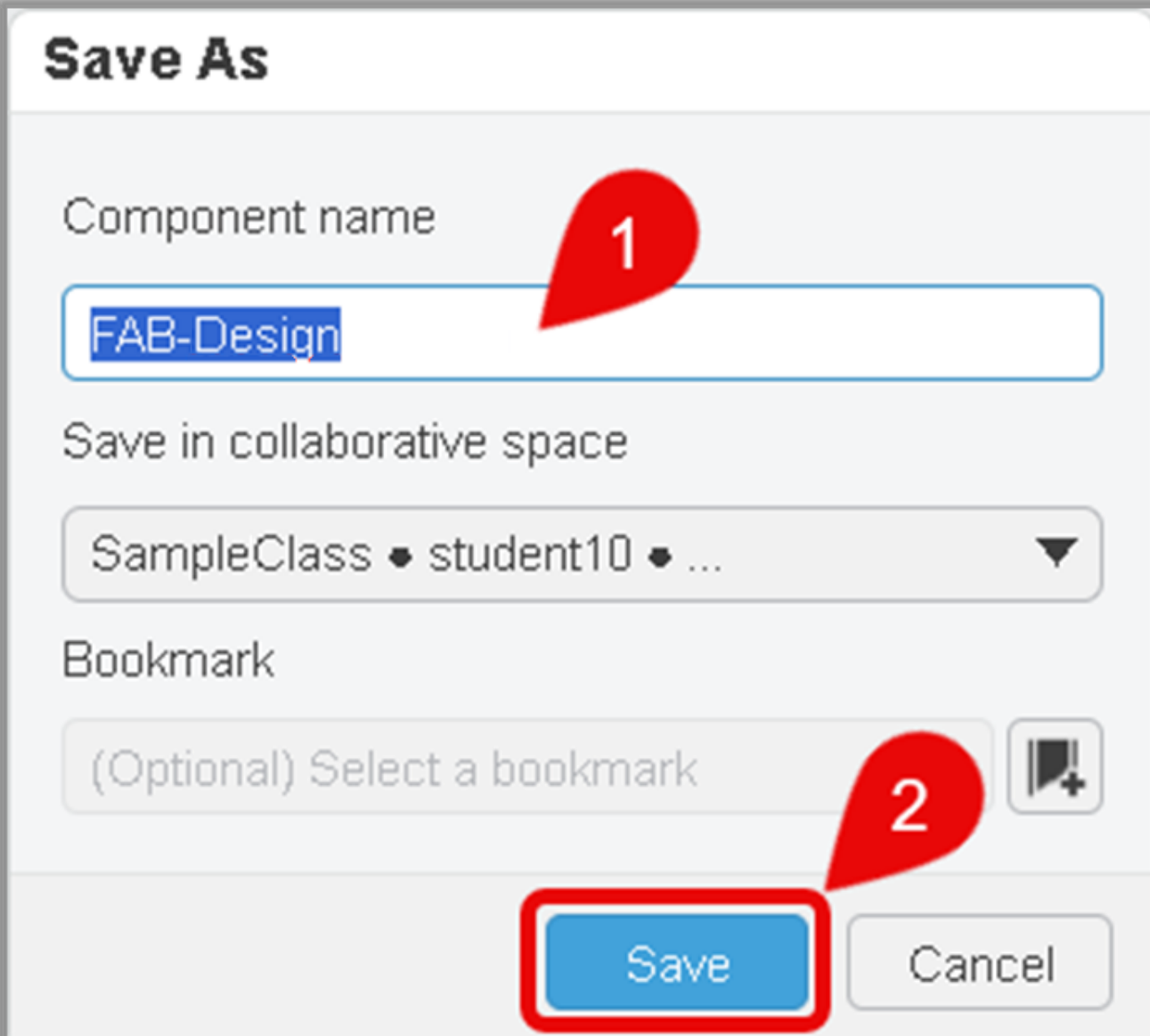
5. Click **OPEN**



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



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



Save As

Component name

FAB-Design

Save in collaborative space

SampleClass • student10 • ...

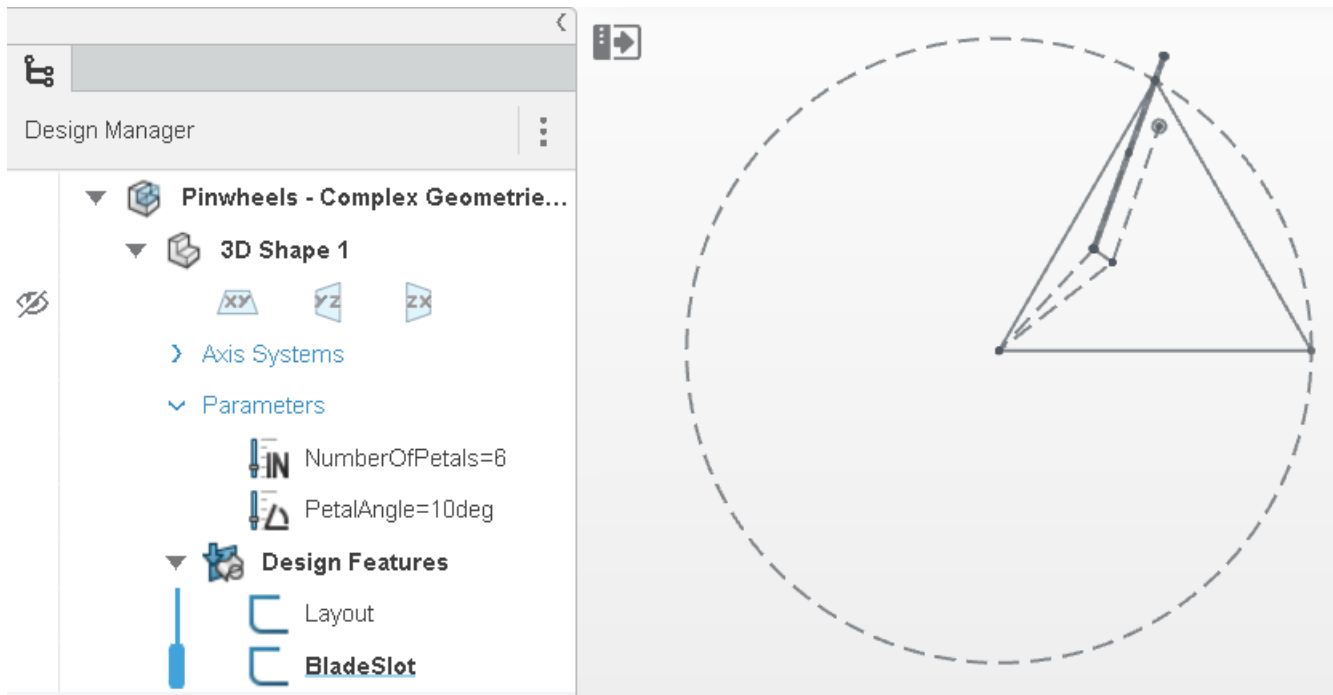
Bookmark

(Optional) Select a bookmark

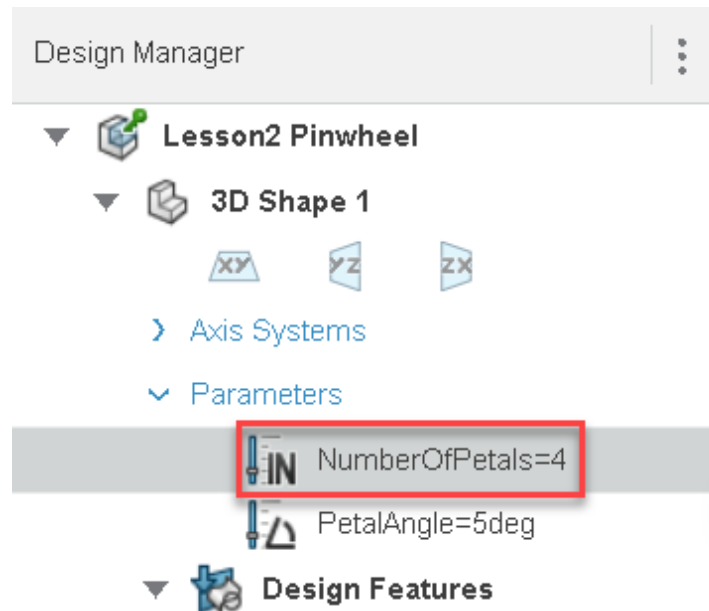
Save Cancel

The image shows a 'Save As' dialog box. A red teardrop callout with the number '1' points to the text input field containing 'FAB-Design'. Another red teardrop callout with the number '2' points to the 'Save' button, which is also highlighted with a red rectangular border. The dialog includes a title bar 'Save As', a 'Component name' label, a text input field, a 'Save in collaborative space' label, a dropdown menu showing 'SampleClass • student10 • ...', a 'Bookmark' label, a text input field with the placeholder '(Optional) Select a bookmark', and a '+' icon in a square. At the bottom are 'Save' and 'Cancel' buttons.

Use this template to design your own custom pinwheel. The “Layout” and “BladeSlot” sketches are there for reference, but can also be used to establish the beginning shape of one of your pinwheel blades.

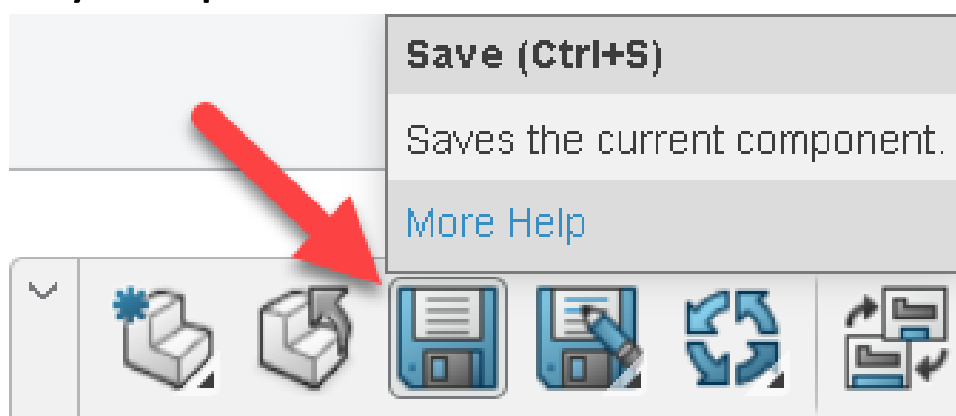


You can use the “NumberOfPetals” and/or “PetalAngle” parameters in the Design Manager to change the shape of the layout sketch, or just sketch your own design from scratch



Consider designing a second layer that can be cut in a contrasting color that will add visual interest to your design and/or improve its performance

8. When you're done... Click “Save” on the Action Bar to save your pinwheel

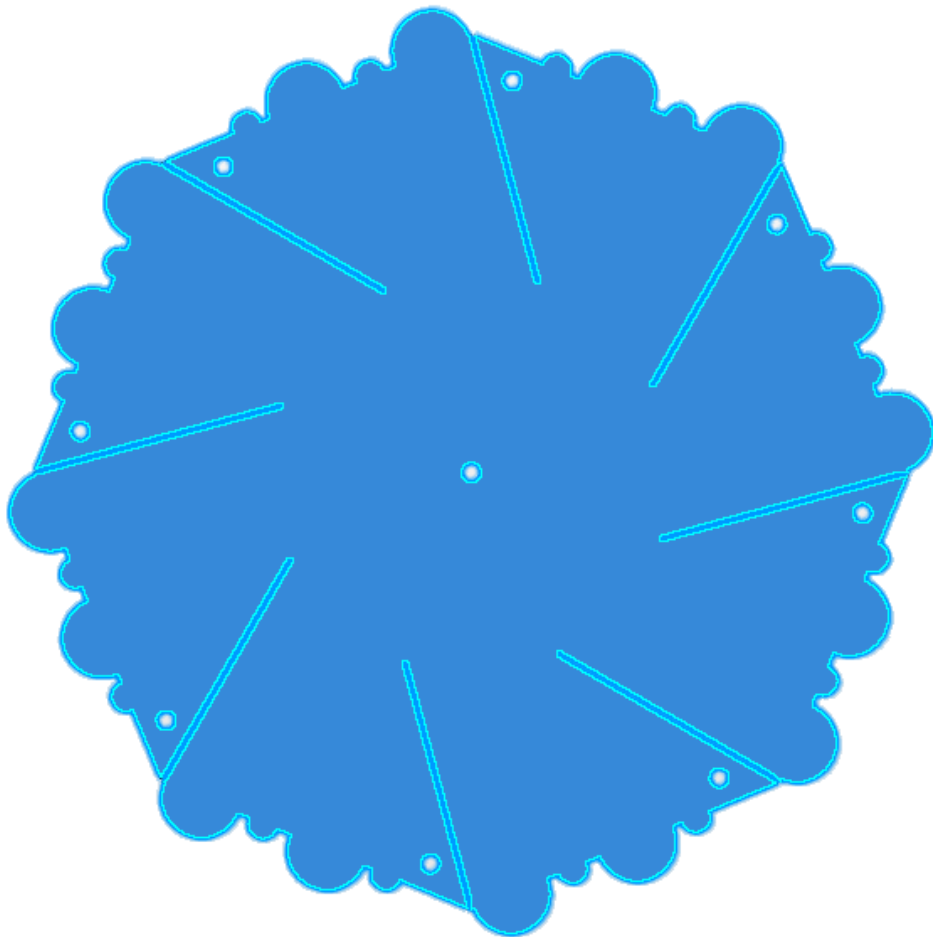


FABRICATE YOUR PINWHEEL

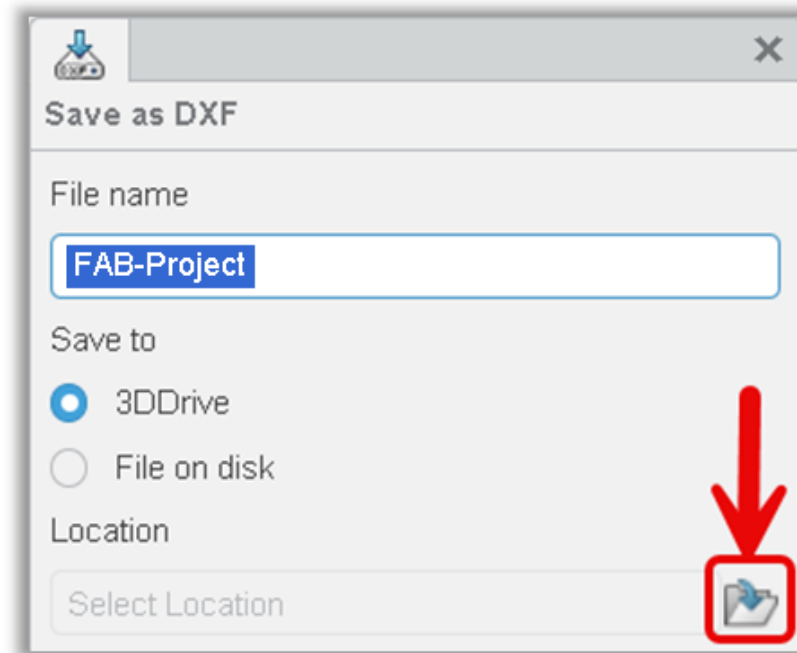
9. Click the **DXF** command on the Tools tab of the Action Bar



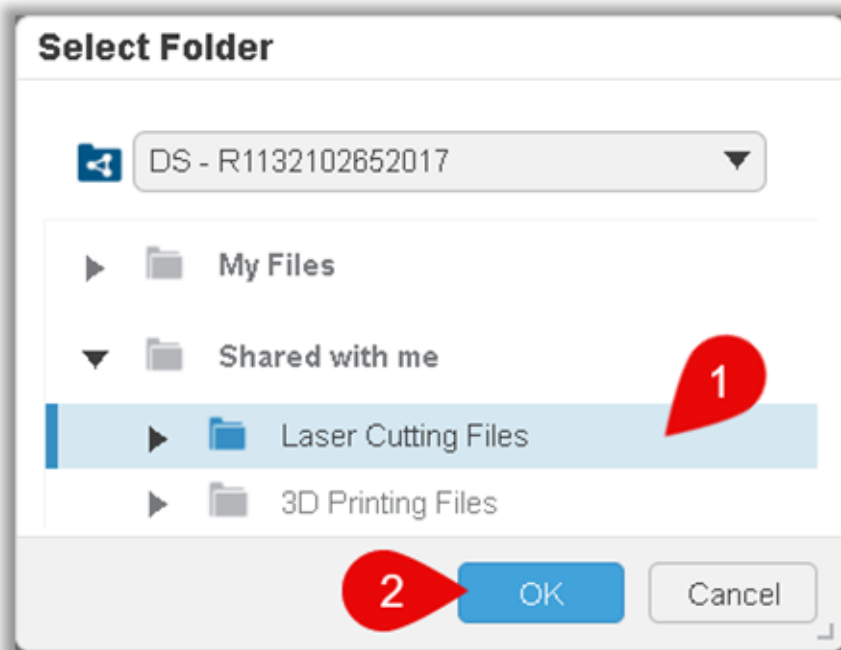
10. Select the large flat face of your pinwheel



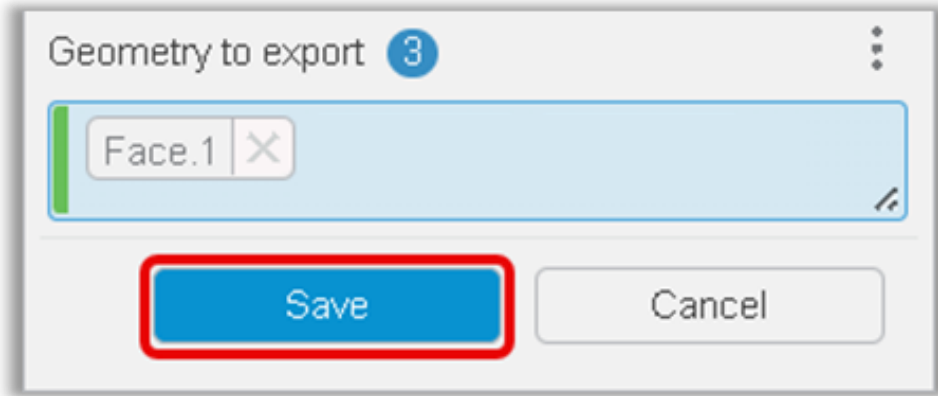
11. Click the Location folder button



12. [1] Select the folder your instructor told you to use to save your files, then [2] click **OK**



13. Click the **Save** button in the Save as DXF dialog



Congratulations!

You're ready to laser cut your pinwheel!

See your teacher for further instruction!