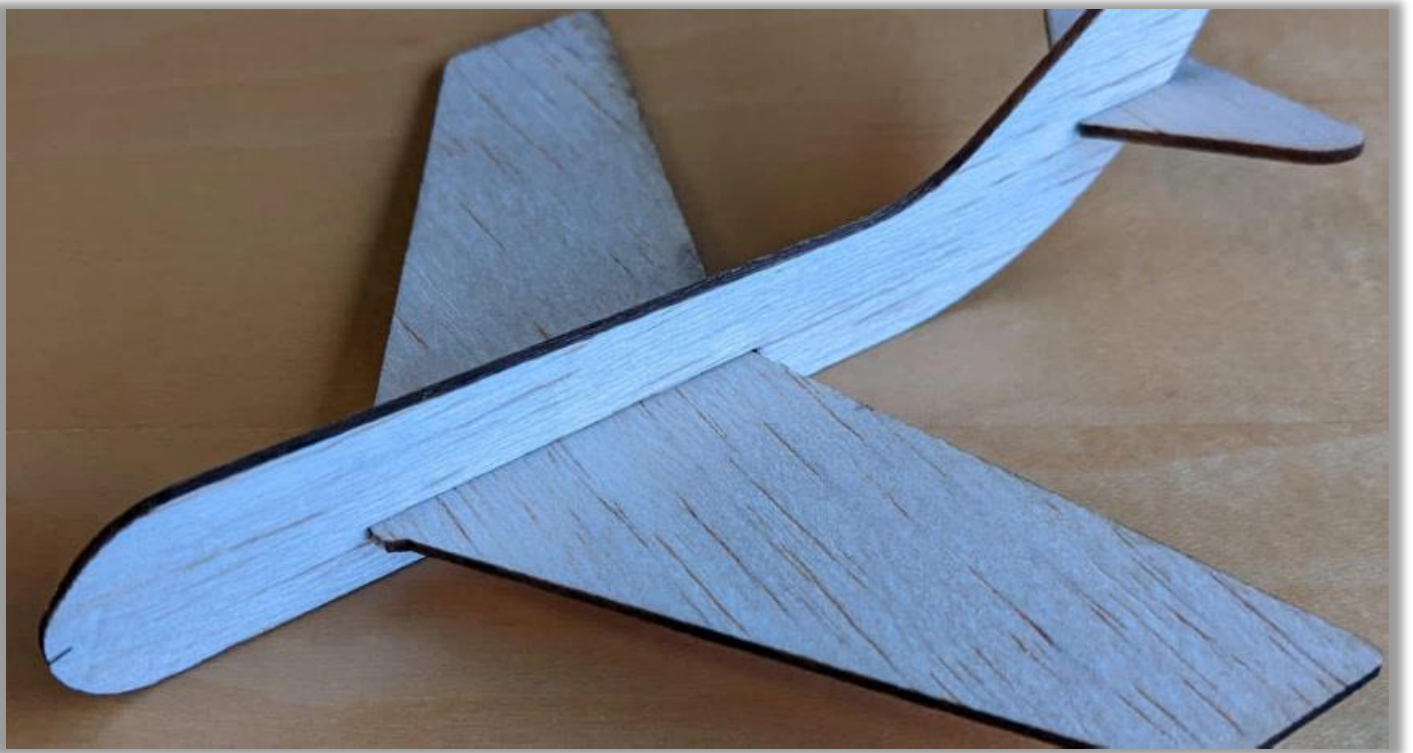
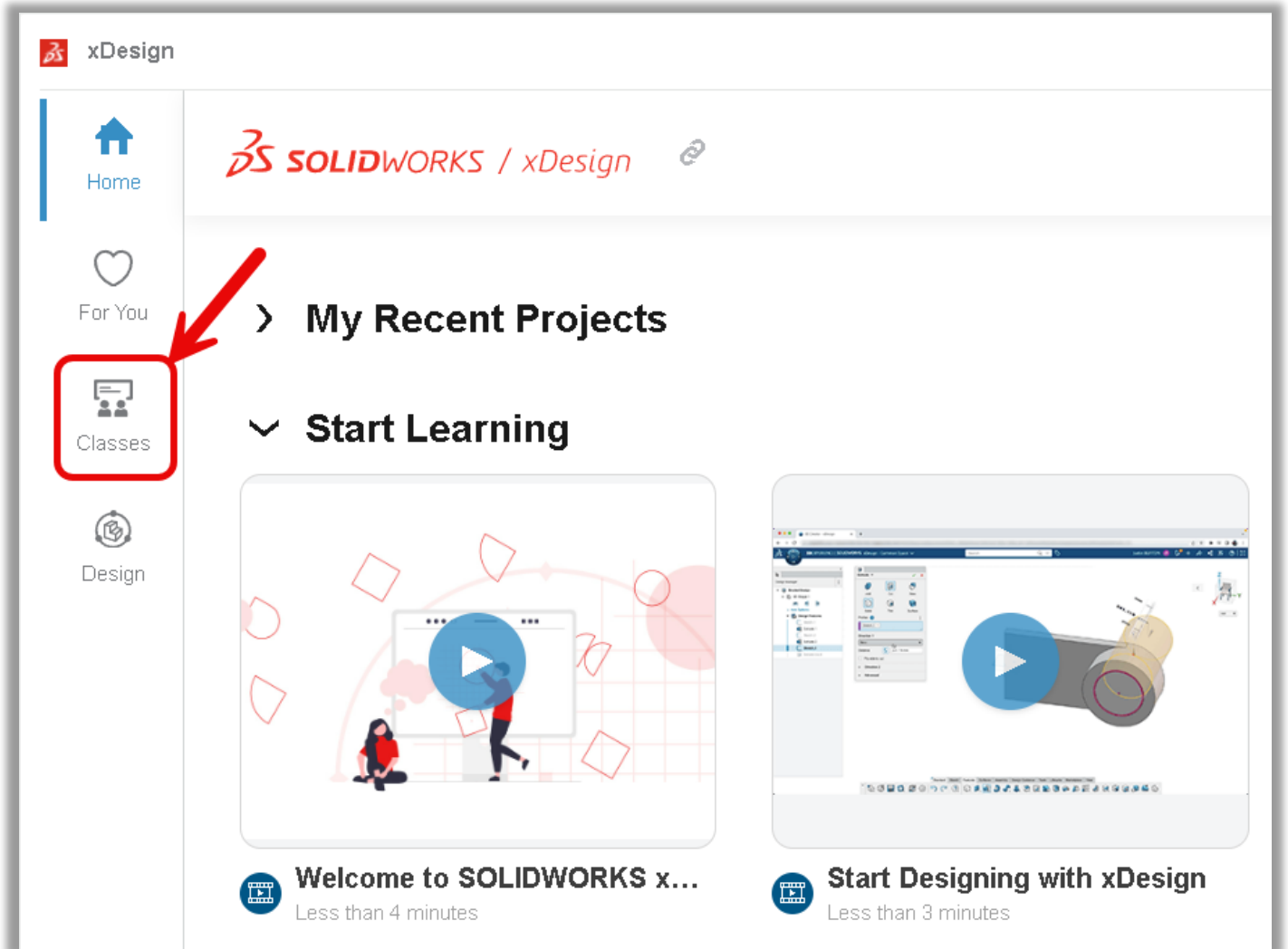


Design and fabricate your own custom glider.

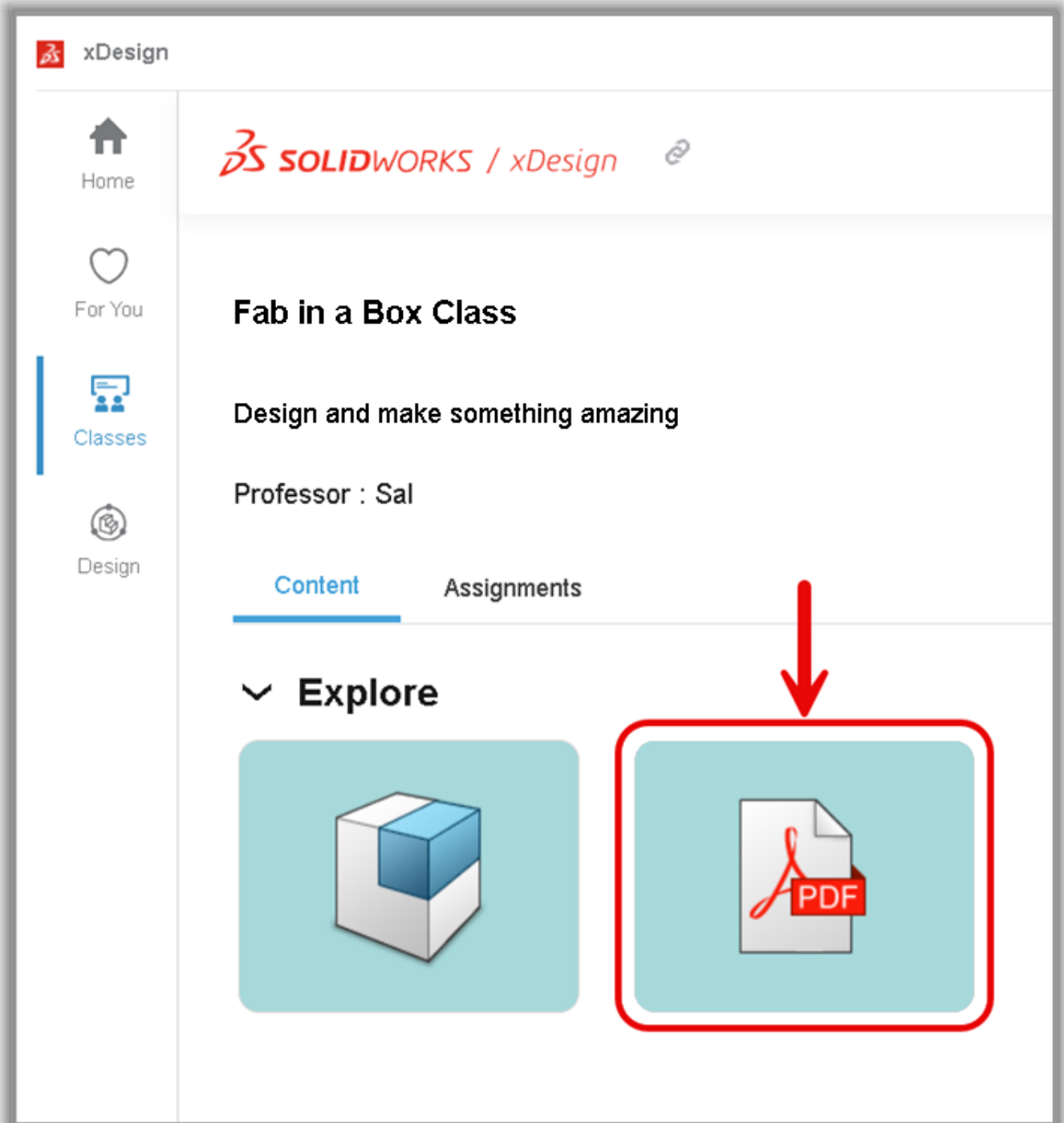
Test its flight, then improve it by adjusting the shape of its wings, tail, or body, or adding a nose weight.



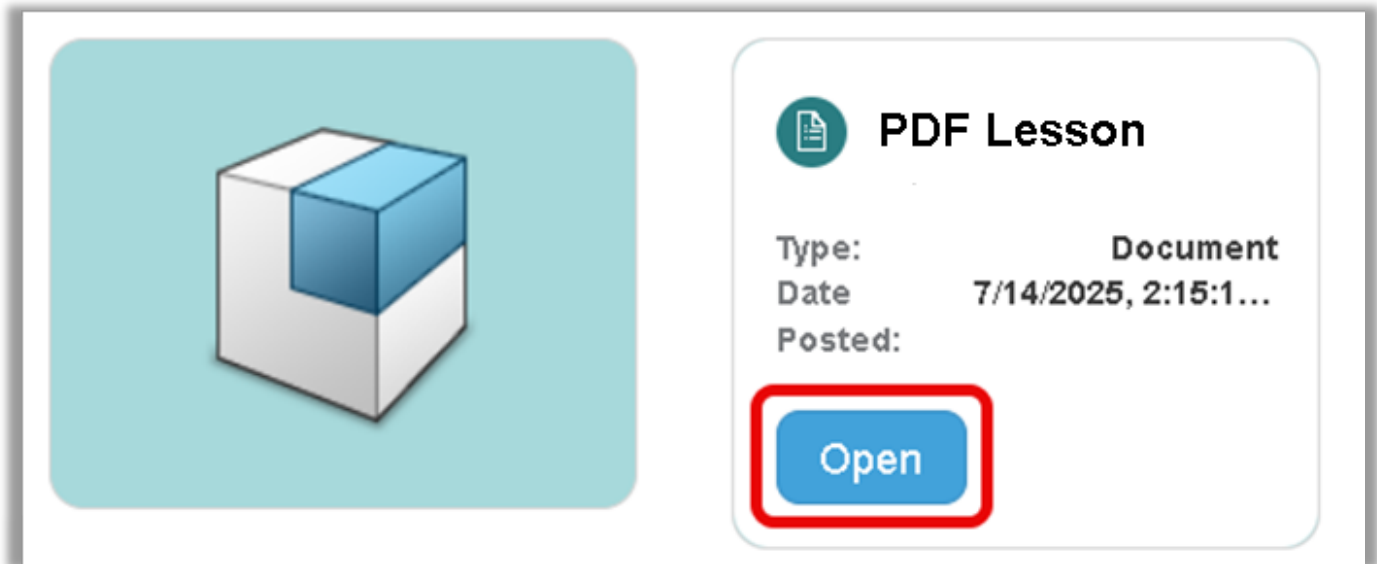
1. Click the **Classes** tab



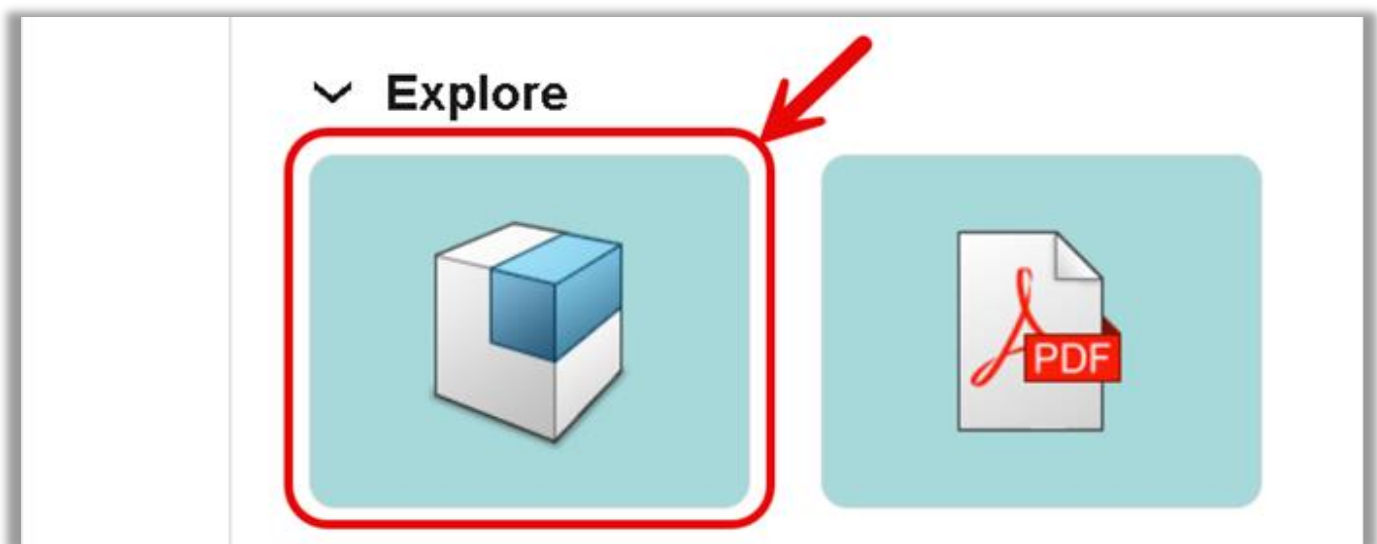
2. Hover over the PDF tile



3. Click **OPEN**



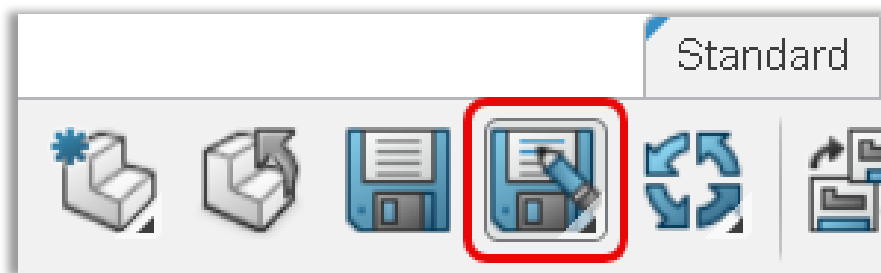
4. Hover over the “Gliders – Open Ended Design” tile



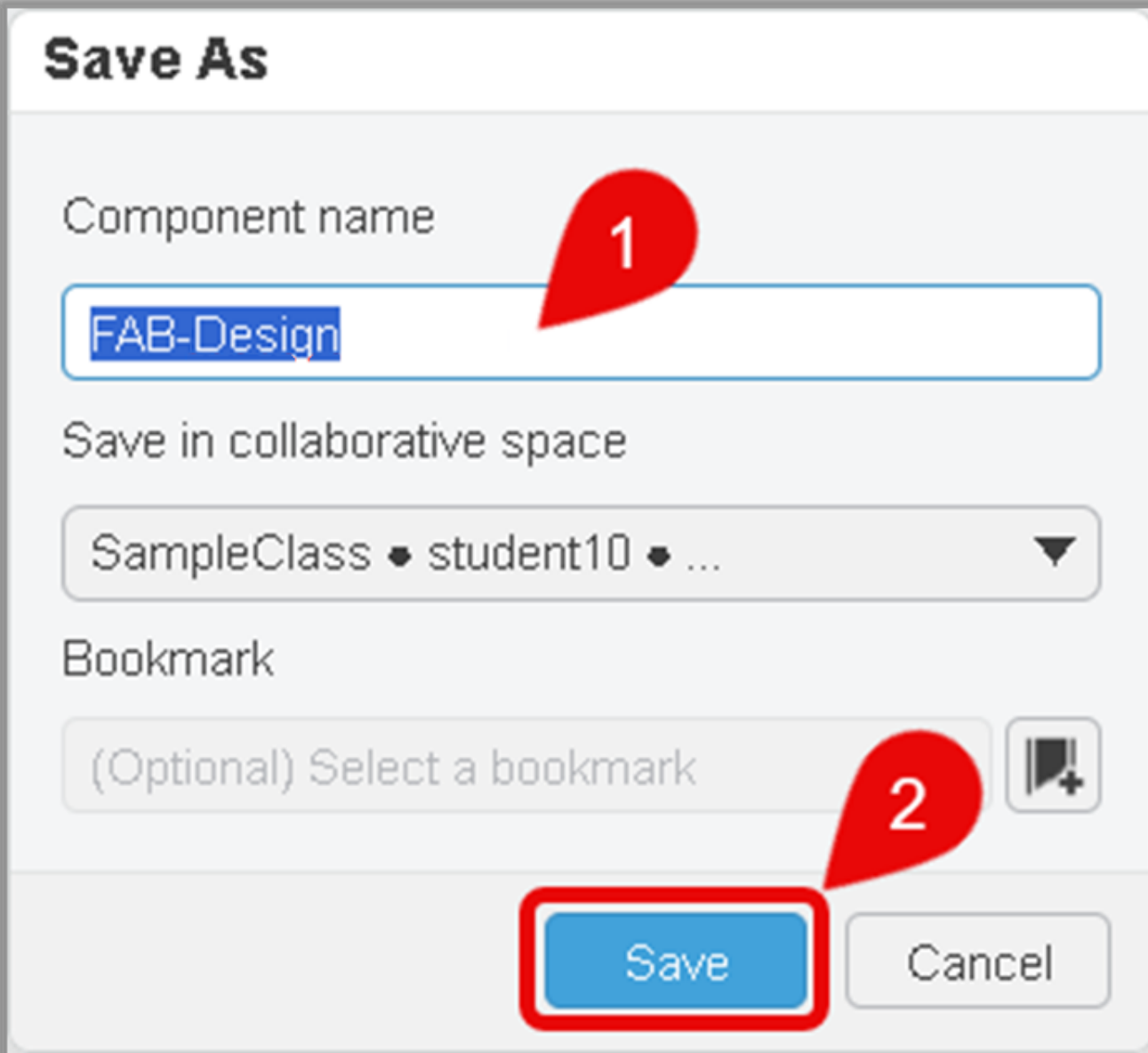
5. Click **OPEN**



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

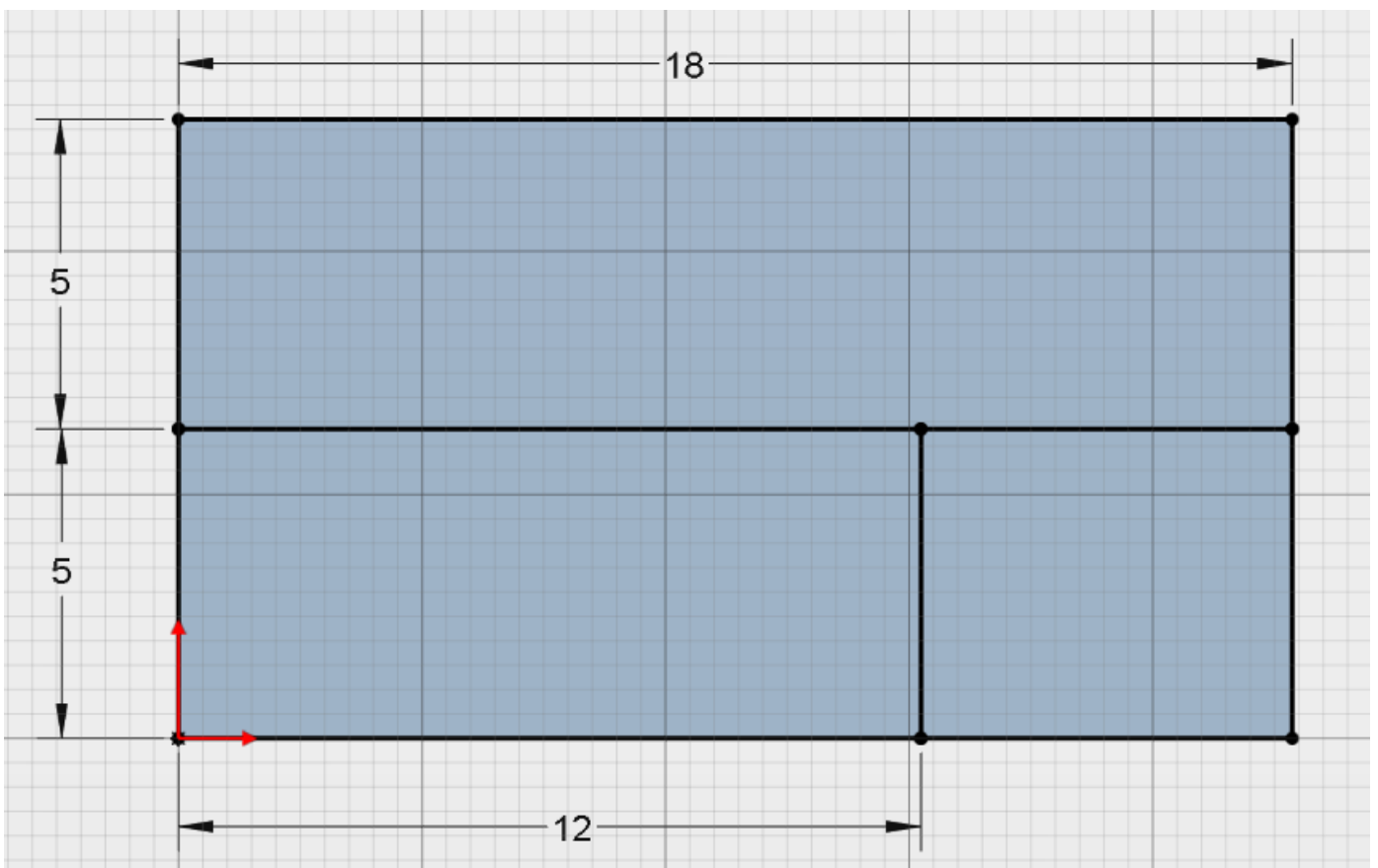
Save Cancel

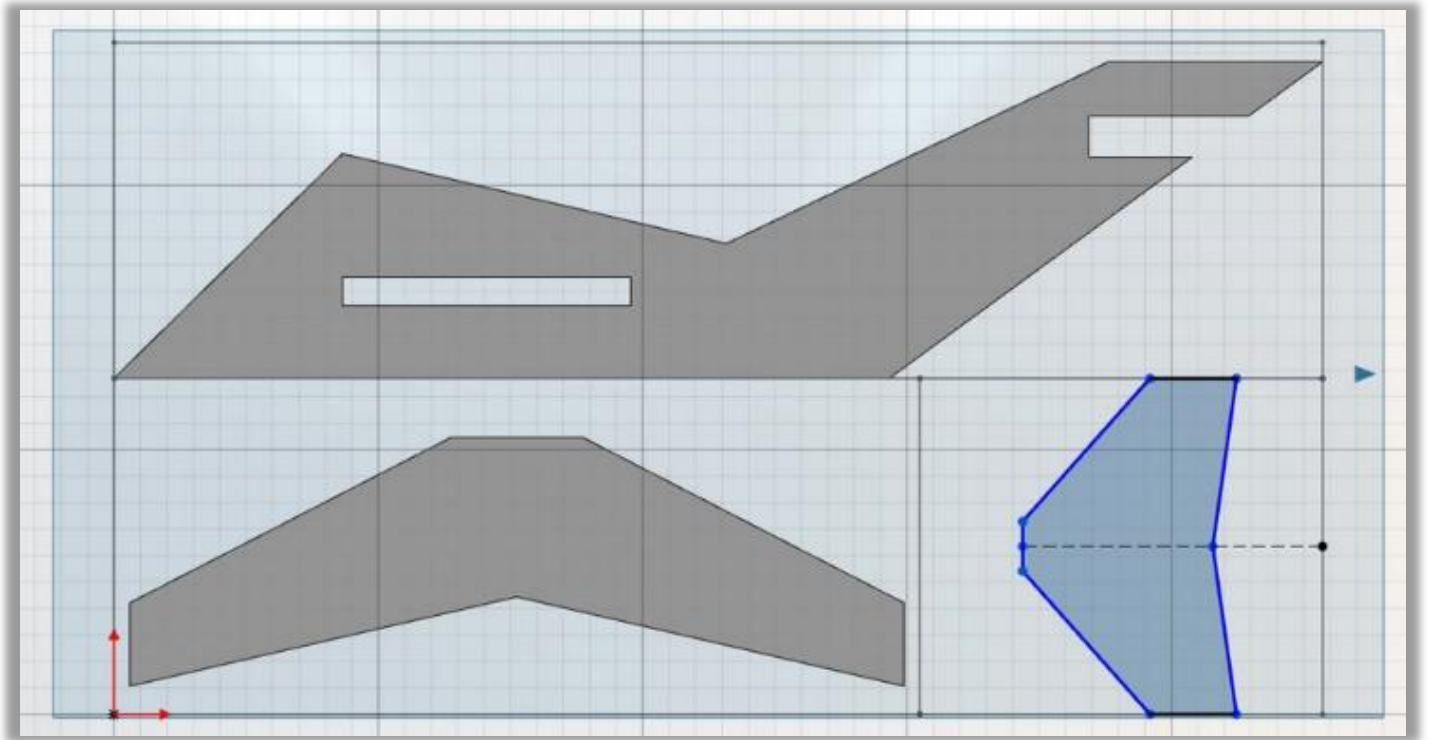
The image shows a 'Save As' dialog box. A red teardrop callout with the number '1' points to the 'Component name' text field, which contains 'FAB-Design'. Another red teardrop callout with the number '2' points to the 'Save' button, which is also highlighted with a red rectangular border. The dialog includes a 'Bookmark' section with a text input field and a bookmark icon.

DESIGN YOUR AIRPLANE

This model contains a simple layout sketch that you can reference to size the parts of your airplane. The three zones are only a suggestion for where to place your fuselage, wings, and stabilizer, so feel free to design your airplane parts any way you'd like.

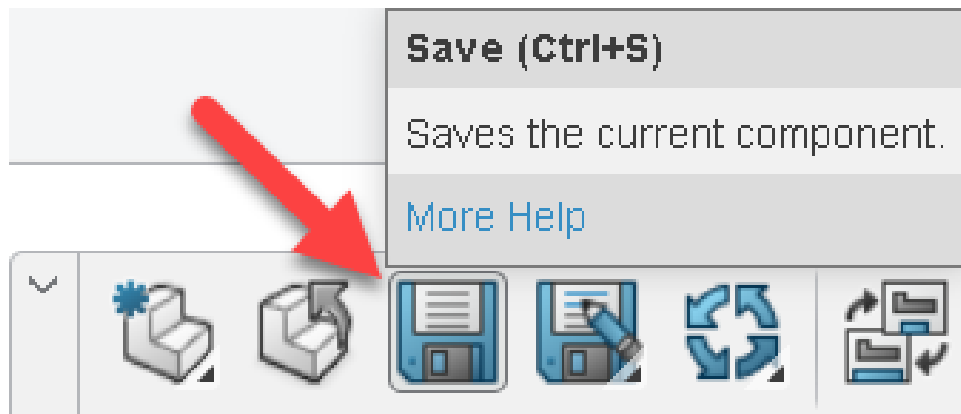
8. Whether you use the layout sketch or not, you should at least confirm the overall dimensions of the material you'll use to laser cut your pieces, then edit the sketch to update the values





--- Sample airplane parts ---

9. When you've finished your design, click **"Save"** on the Action Bar

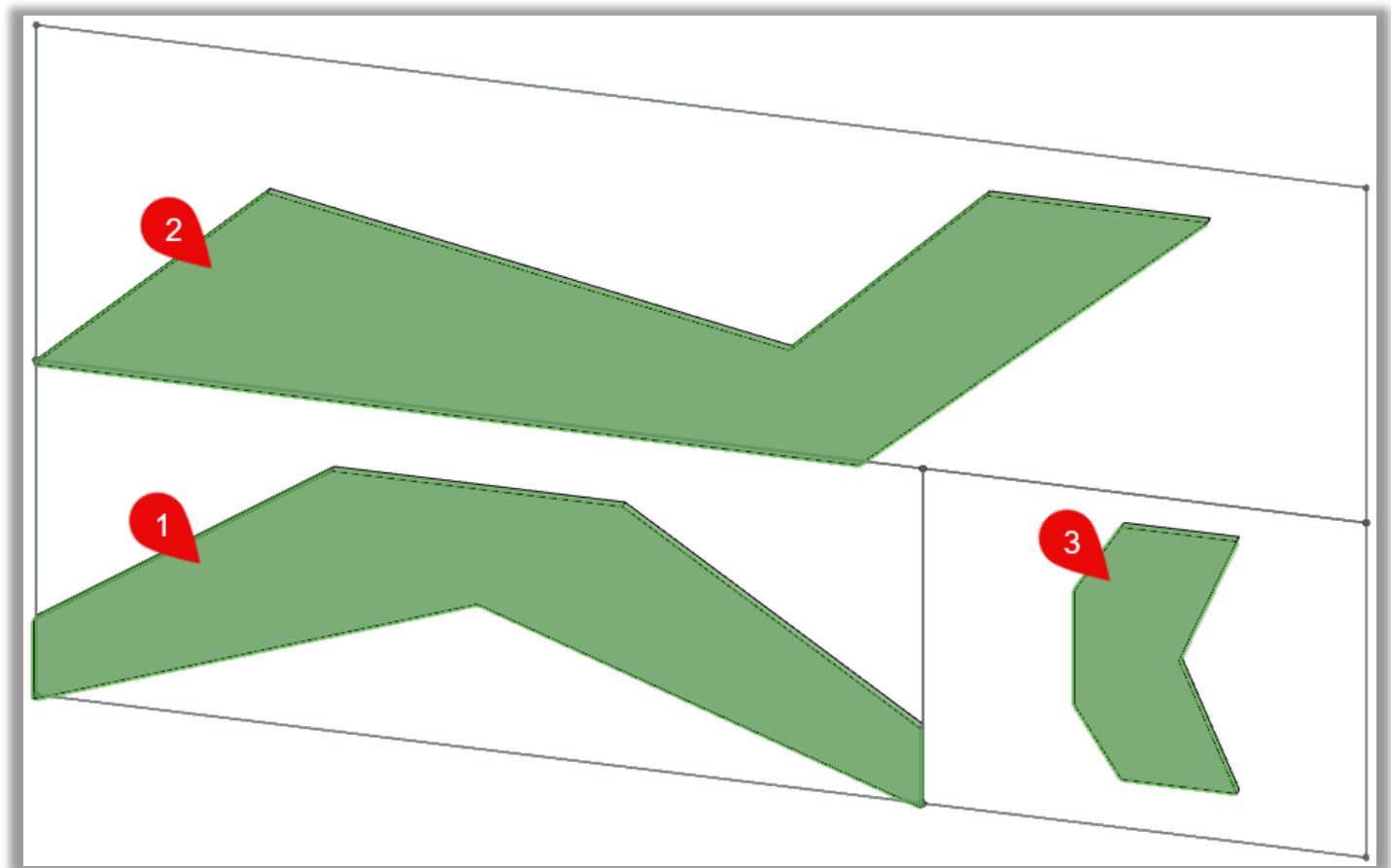


FABRICATE YOUR AIRPLANE

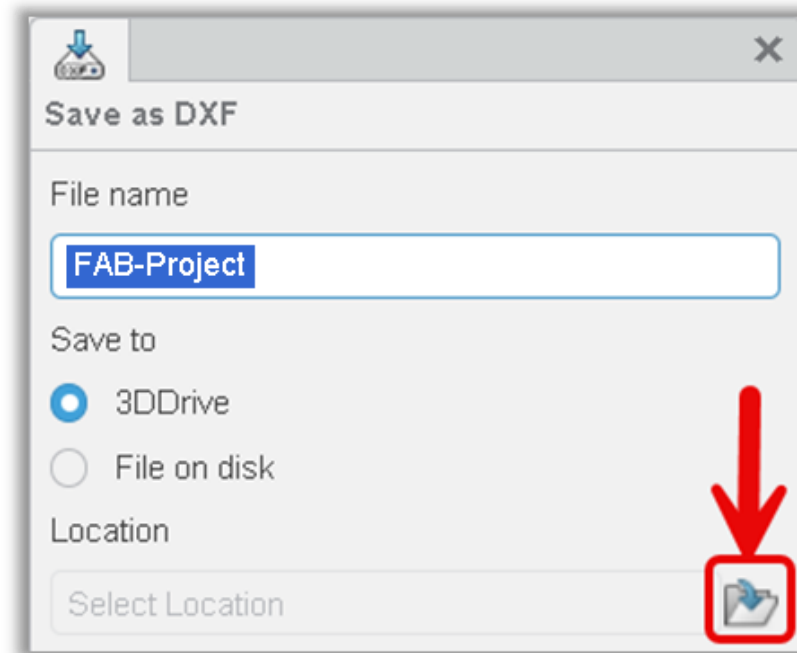
10. Click the **DXF** command on the Tools tab of the Action Bar



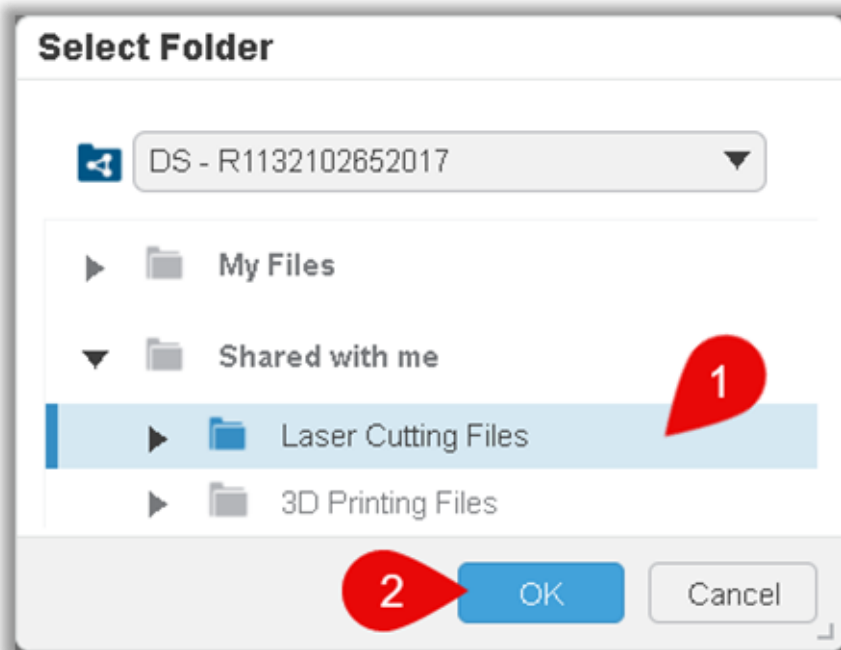
11. Select the three large faces of your airplane parts



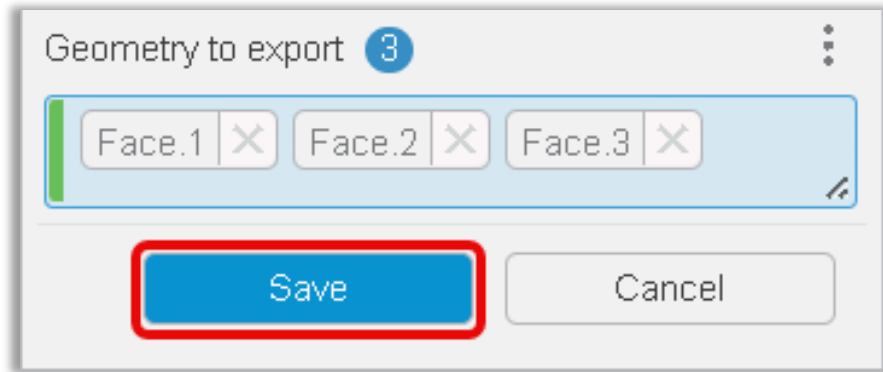
12. Click the Location folder button



13. [1] Select the folder your instructor told you to use to save your files then [2] click **OK**



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



Congratulations!

You're ready to laser cut your airplane!
See your teacher for further instruction!