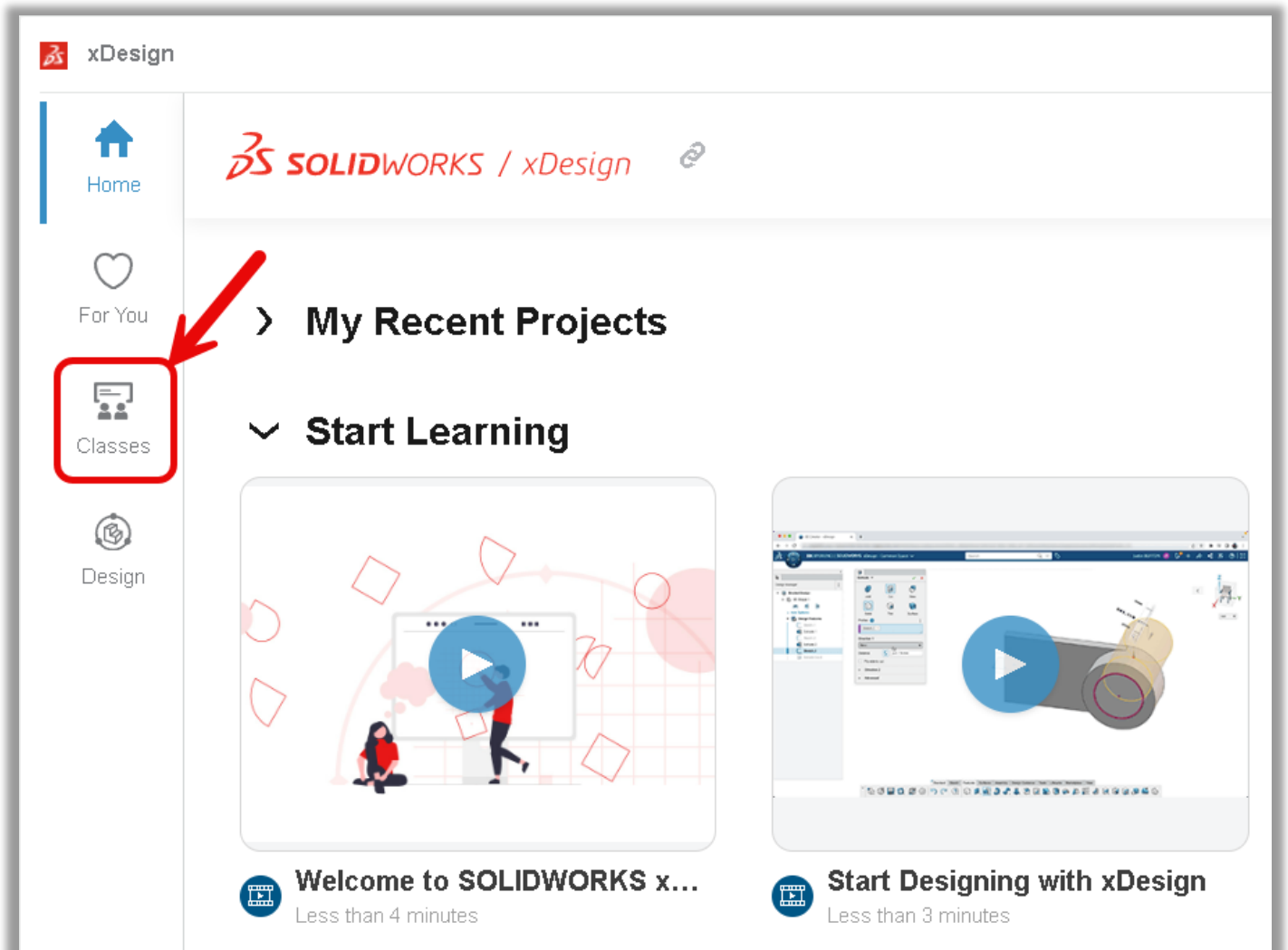
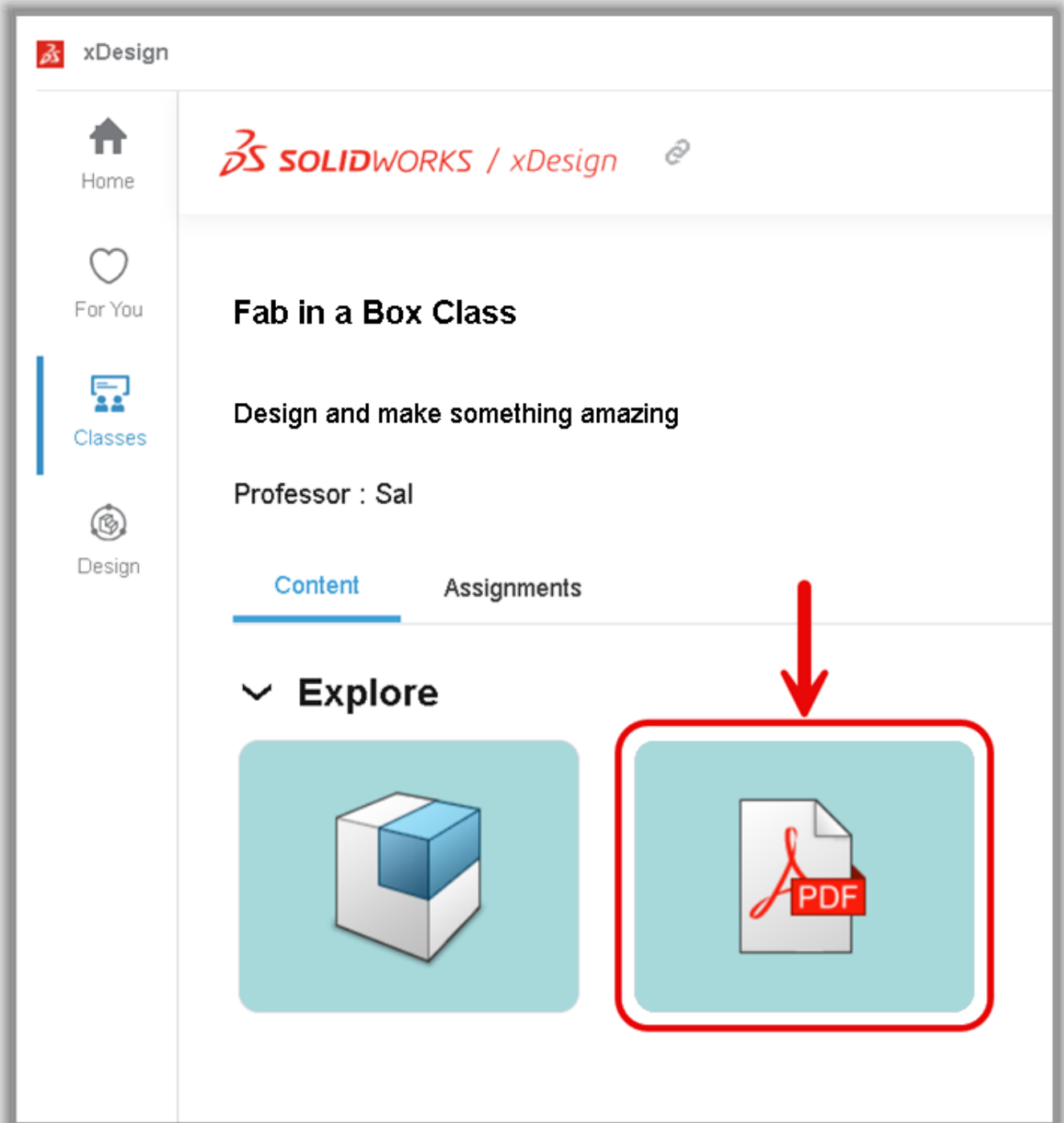


Design and fabricate your own spinning top.

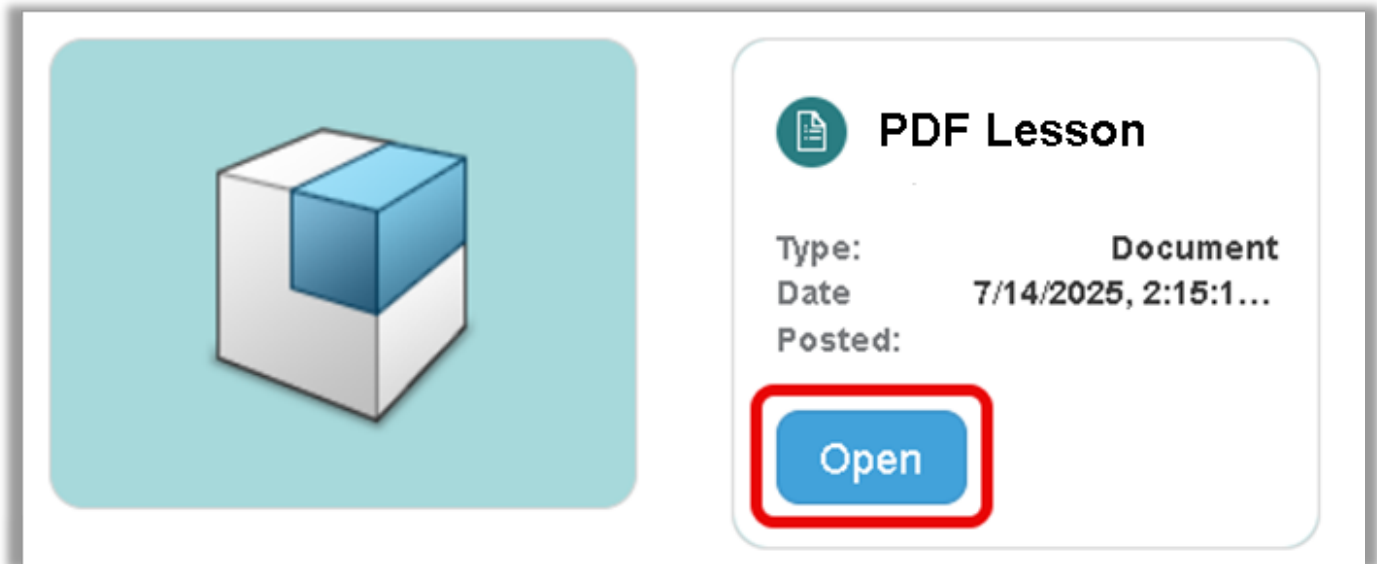
1. Click the **Classes** tab



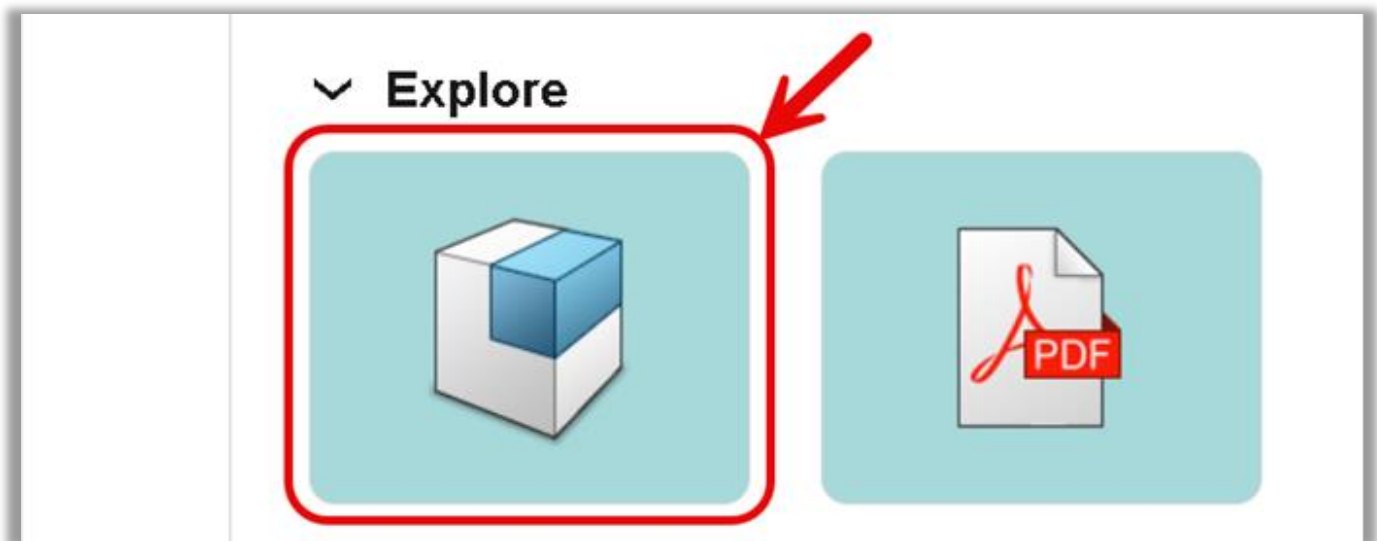
2. Hover over the PDF tile



3. Click **OPEN**



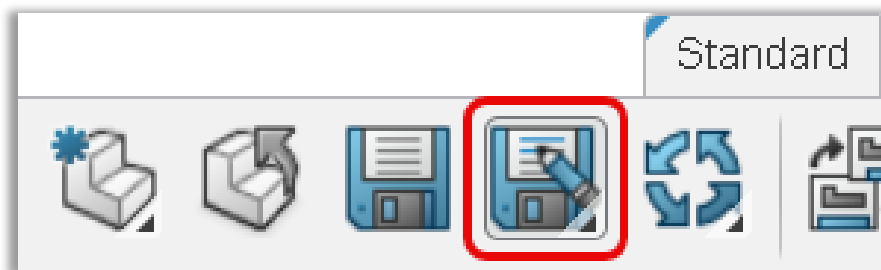
4. Hover over one of the “Spinning Tops – Single Piece Top#” tiles



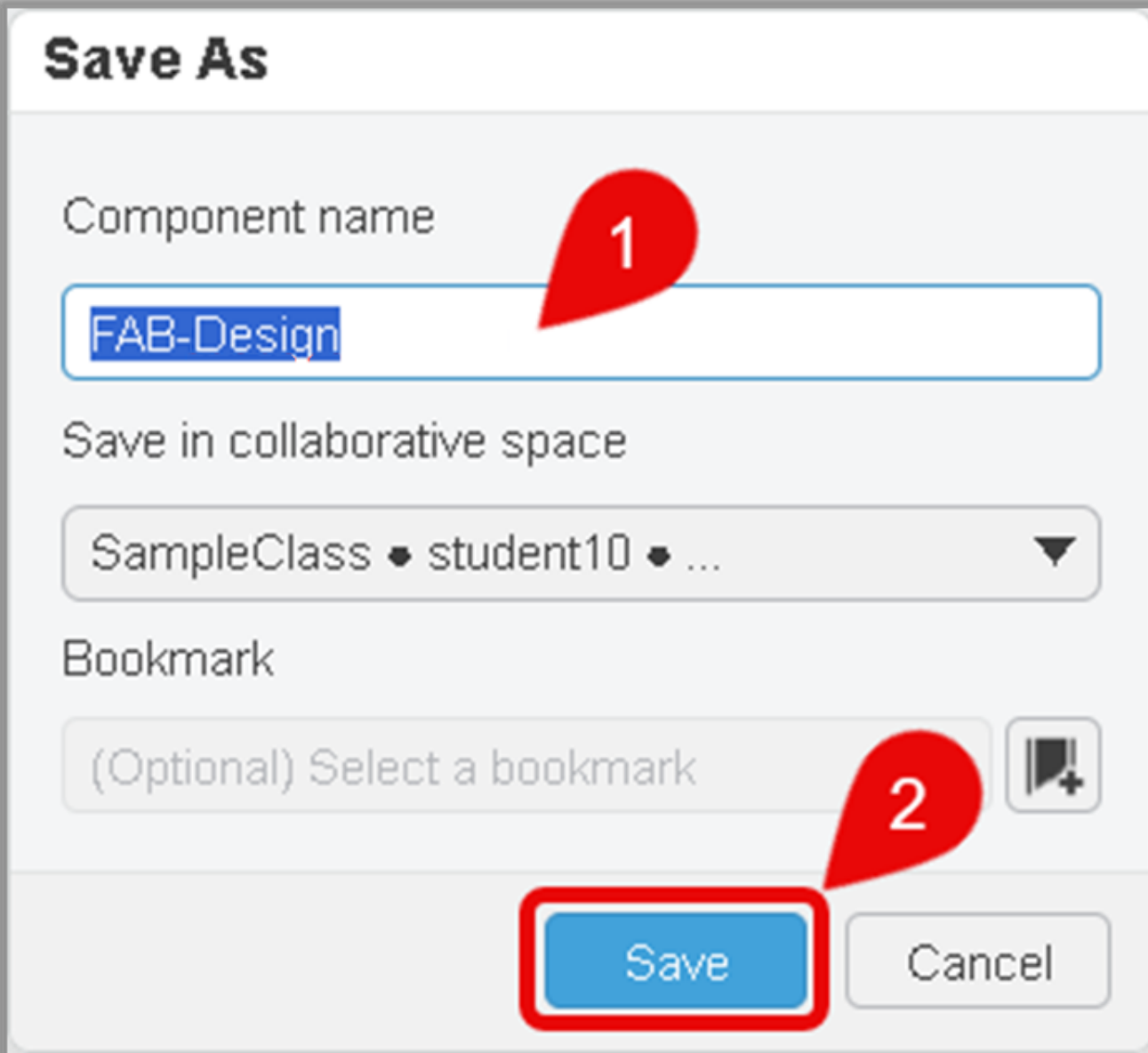
5. Click **OPEN**



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 • ...

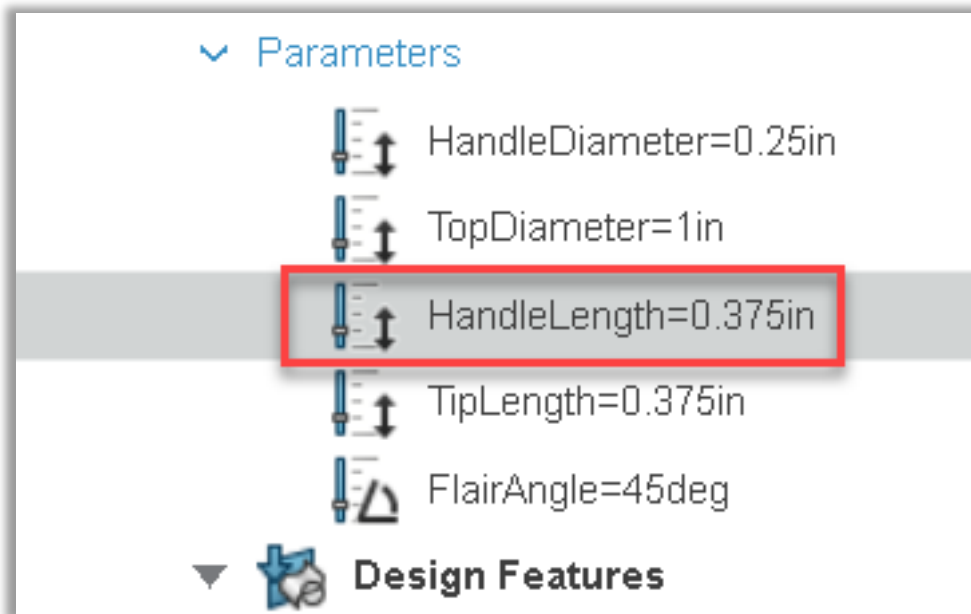
Bookmark

(Optional) Select a bookmark

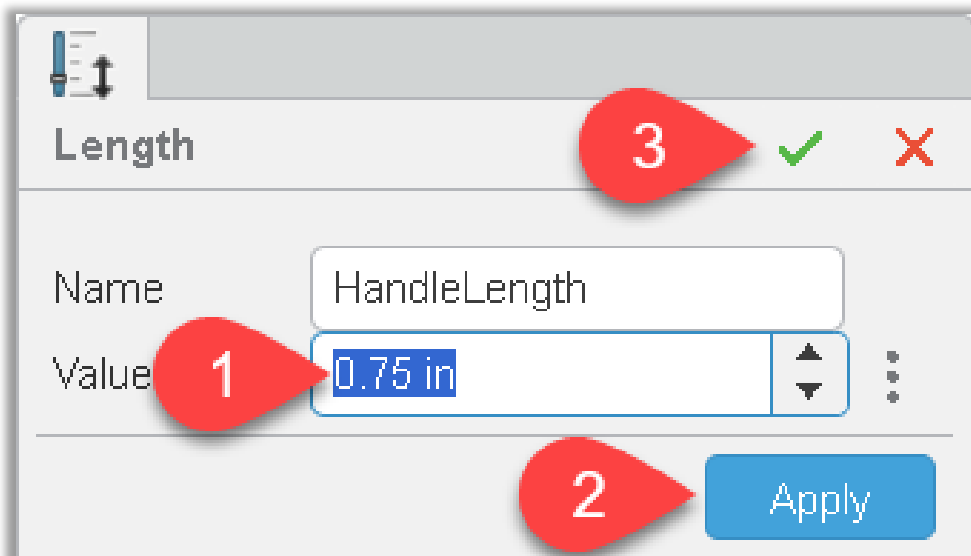
Save Cancel

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.

8. Double-click the “HandleLength” parameter in the Design Manager



9. [1] Enter a new length in the “Value” field, [2] Press “Apply” to update the model, [3] Click the OK checkmark to close the dialog

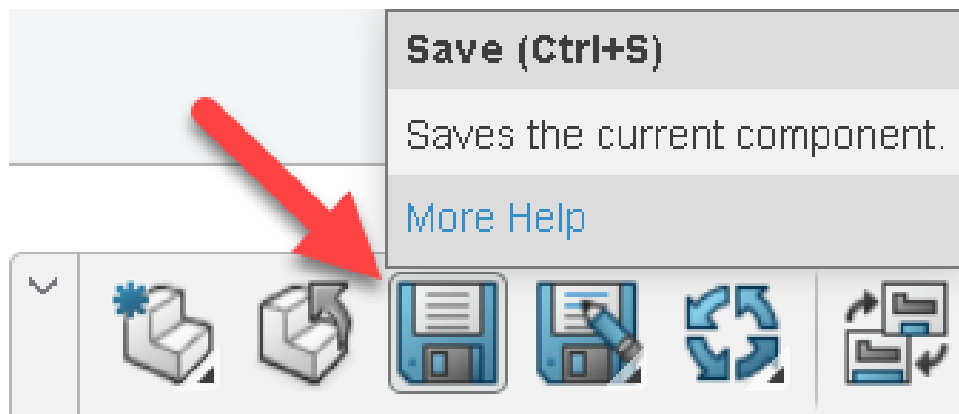


10. Experiment with changing other parameters to customize your top. Just double-click the parameter, change its value, click “Apply”, then click “OK”.

TIP: Make sure your “HandleDiameter” is smaller than your “TopDiameter”

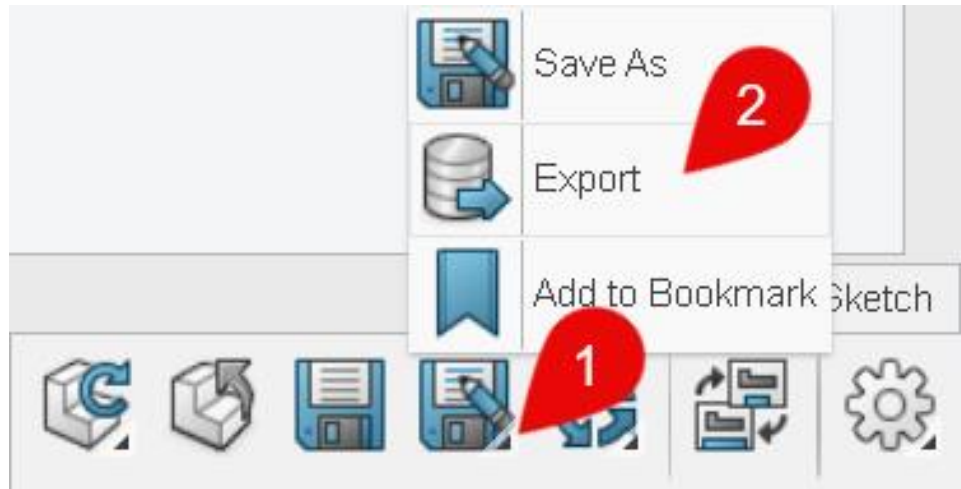
NOTE: The “FlairAngle” supports a range from 30 deg to 70 deg

11. Click “Save” on the Action Bar to save your spinning top

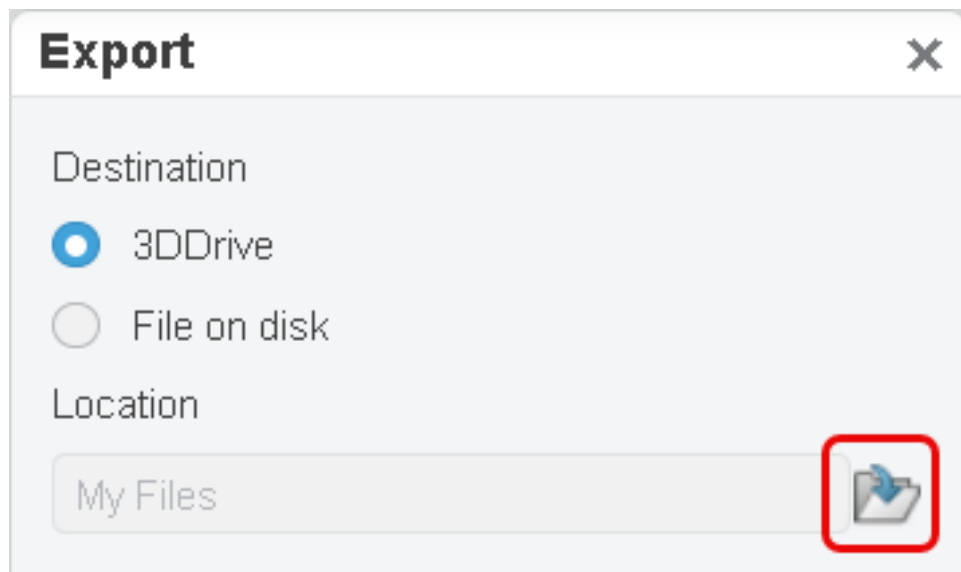


FABRICATE YOUR SPINNING TOP

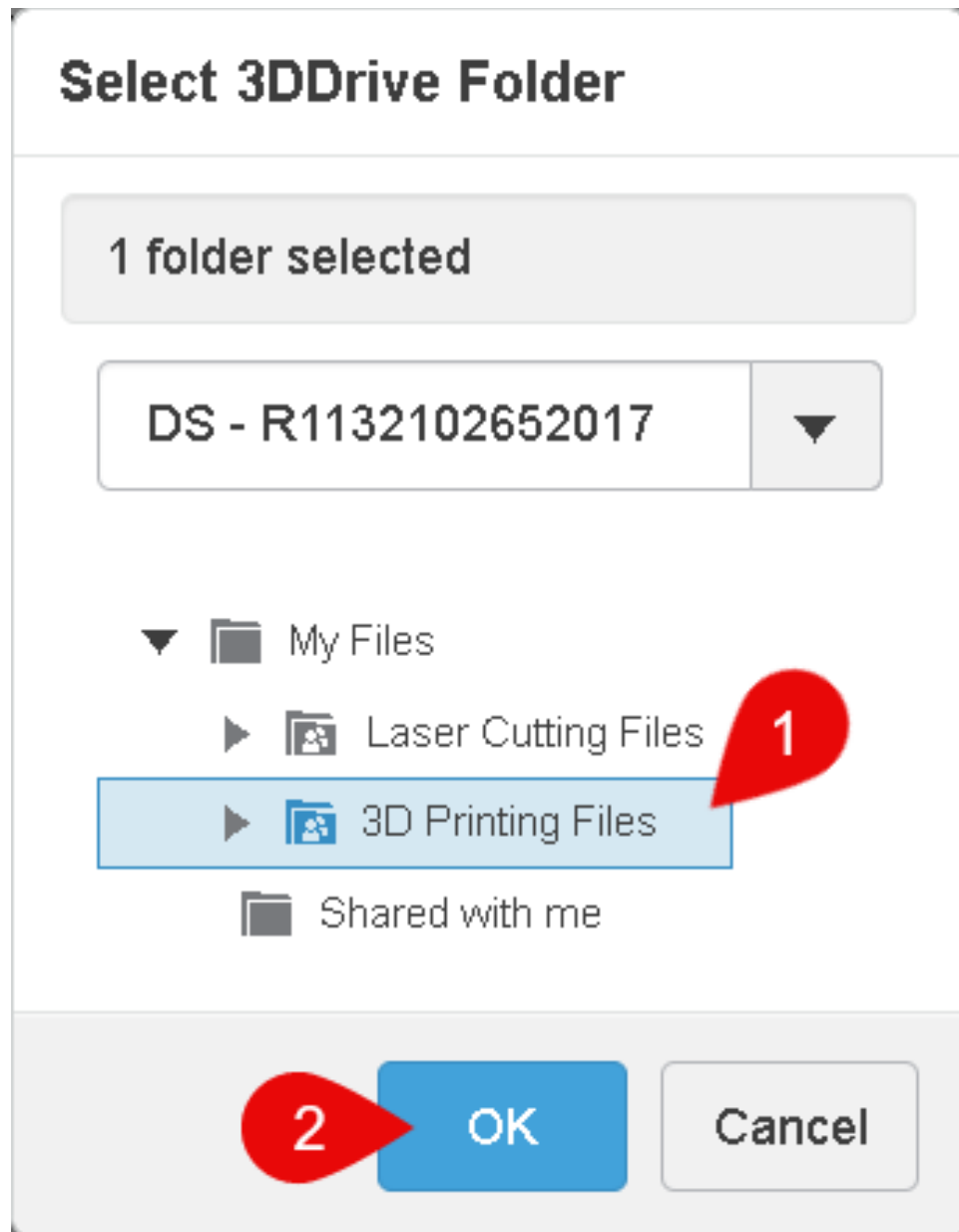
12. [1] Click the flyout corner under the Save As command on the Standard tab of the Action Bar, and then [2] click the **Export** command



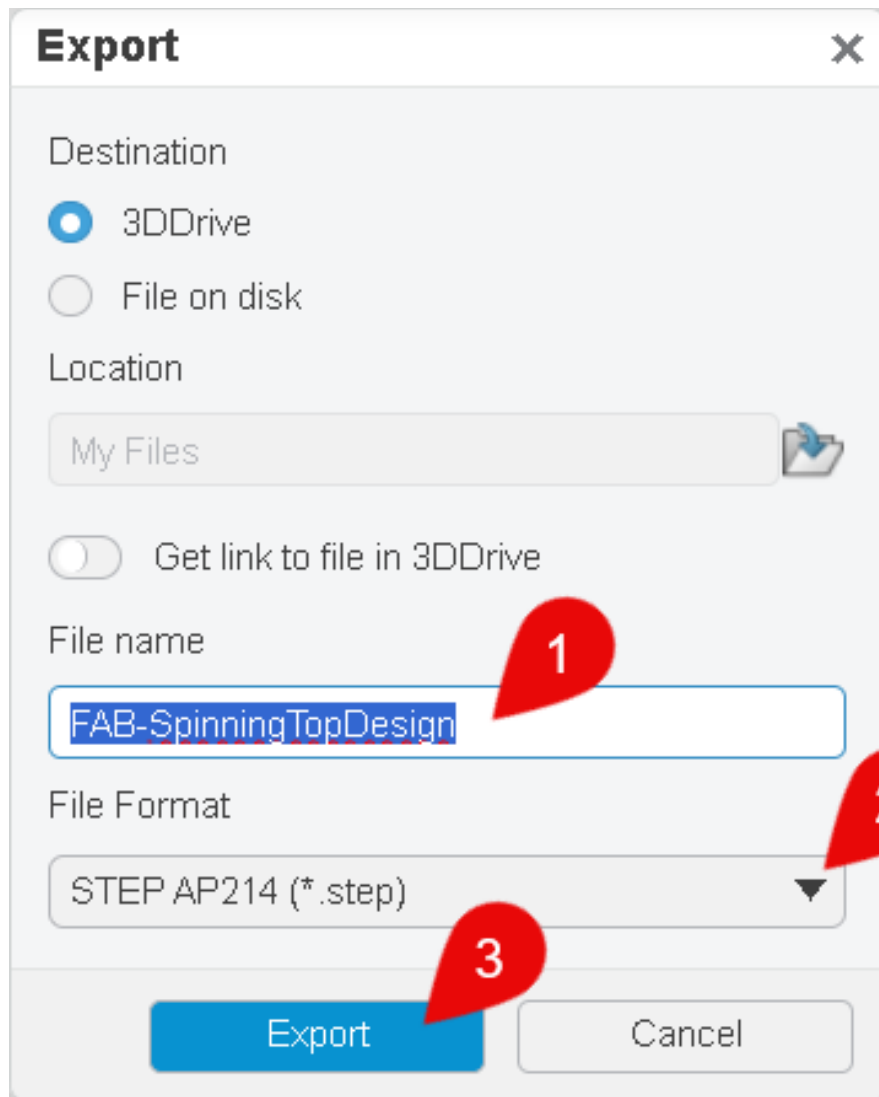
13. Click the Location folder button



14. [1] Select the folder your instructor told you to use to save your files, then [2] click **OK**



15. [1] Give the file a unique name, [2] change the format to “**STEP AP214**”, and then [3] click **Export**



Congratulations!

You're ready to 3D print your top!

See your teacher for further instruction!