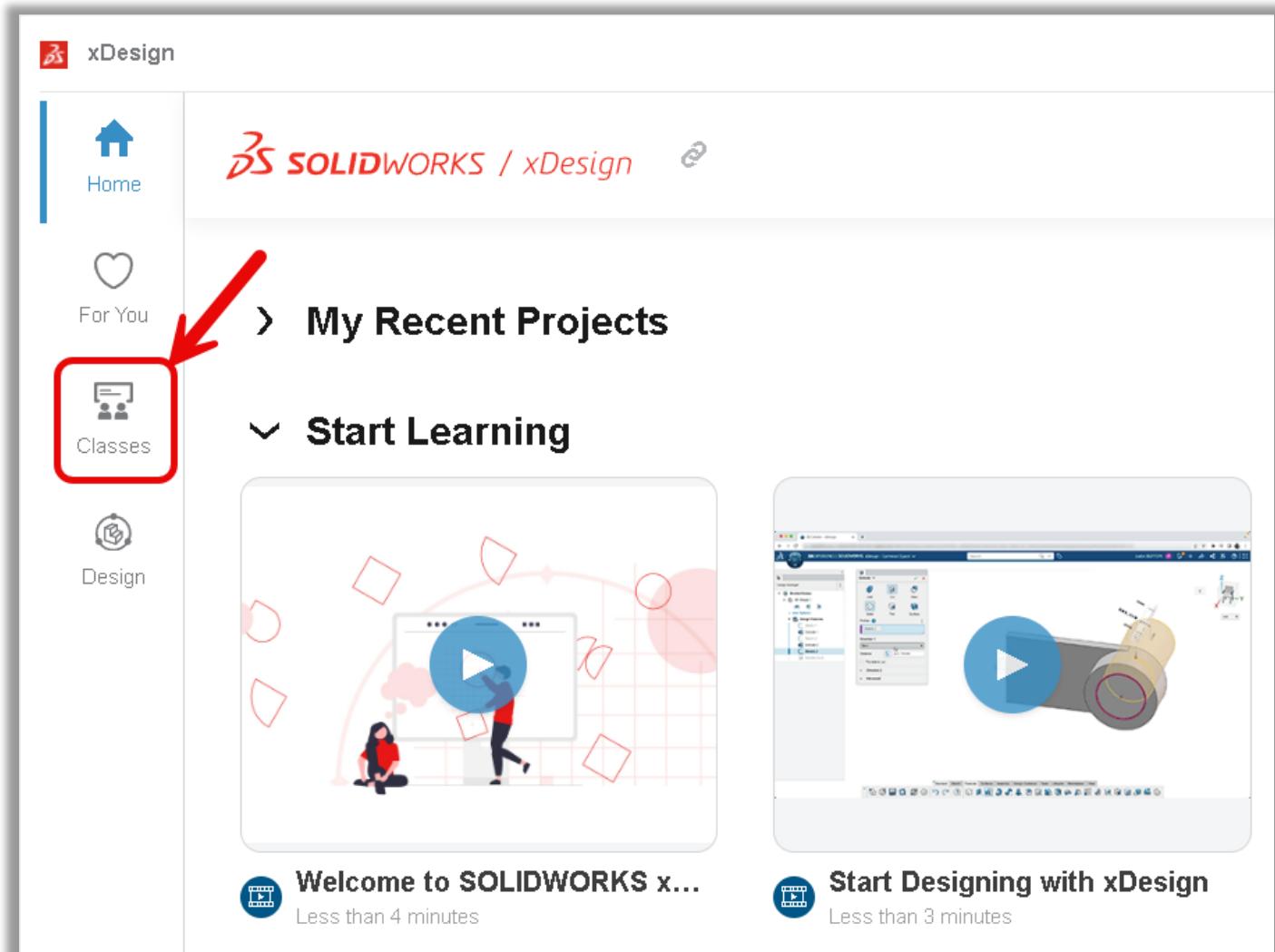
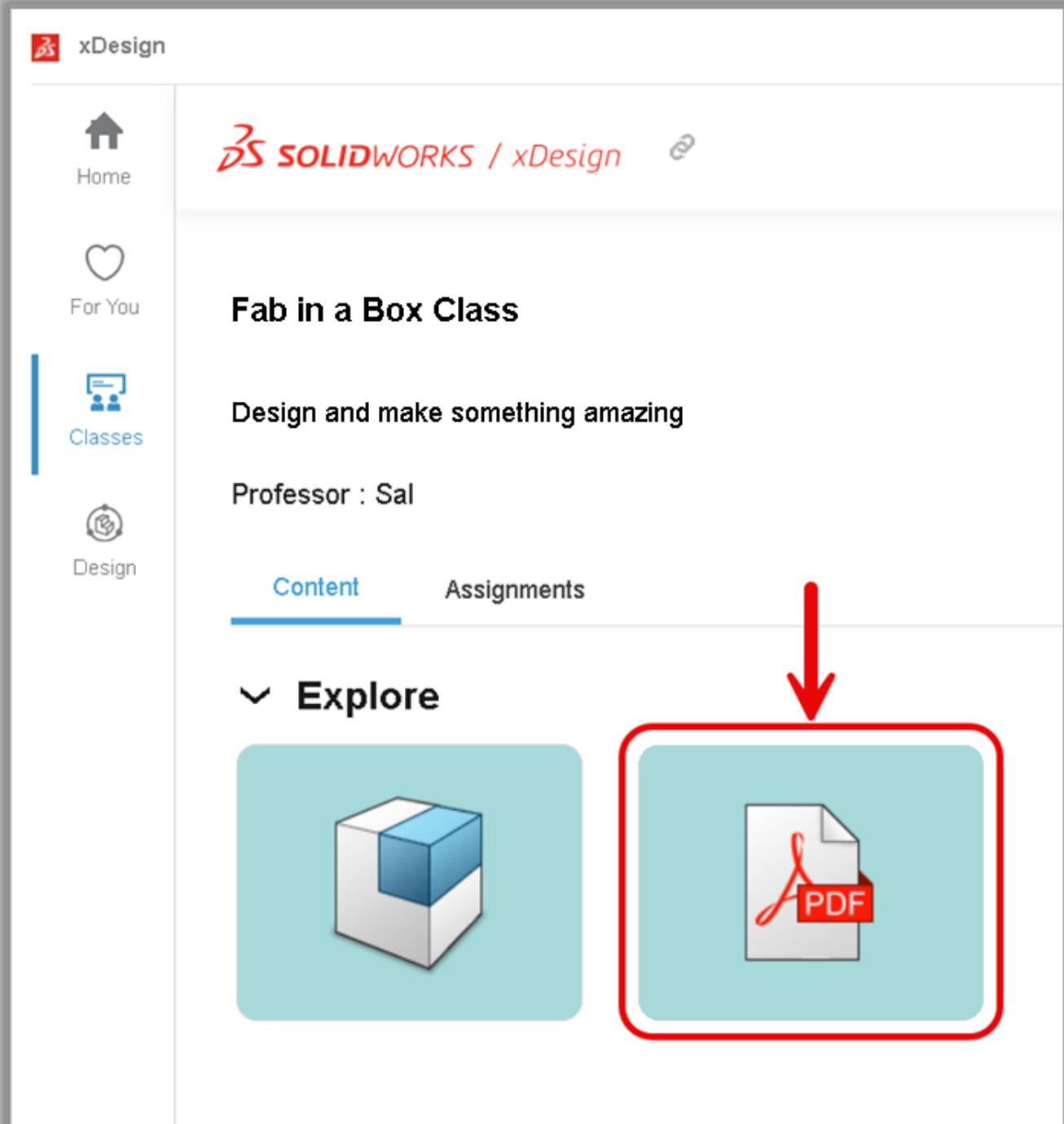


Design and fabricate your own spinning top.

1. Click the Classes tab

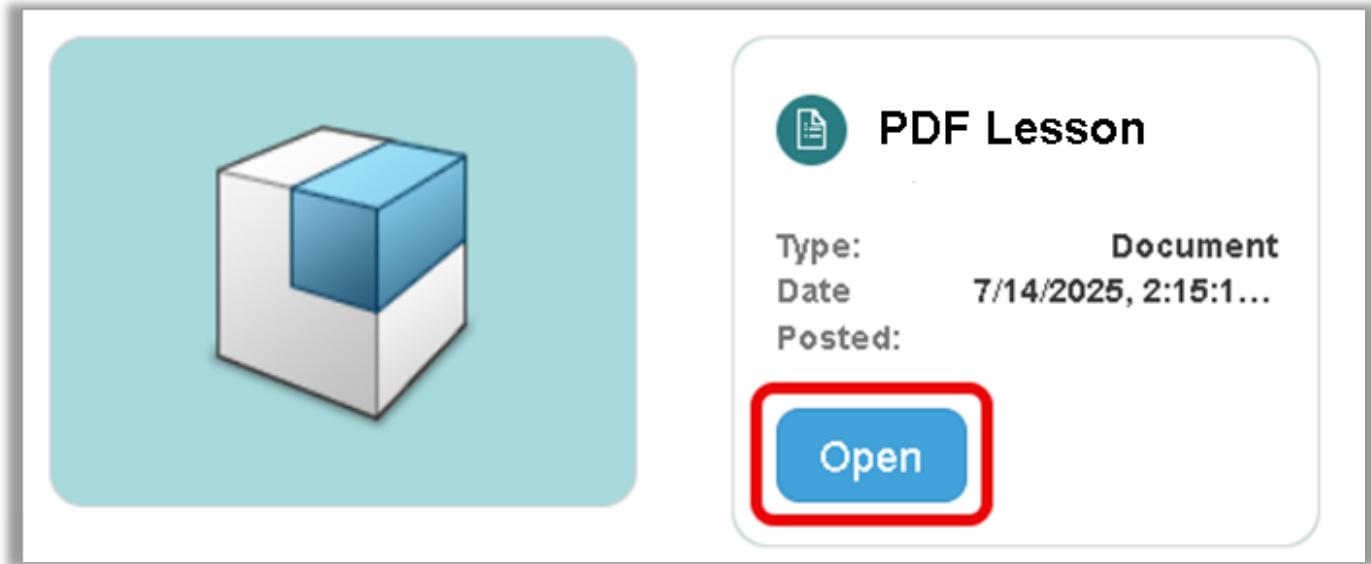


2. Hover over the PDF tile

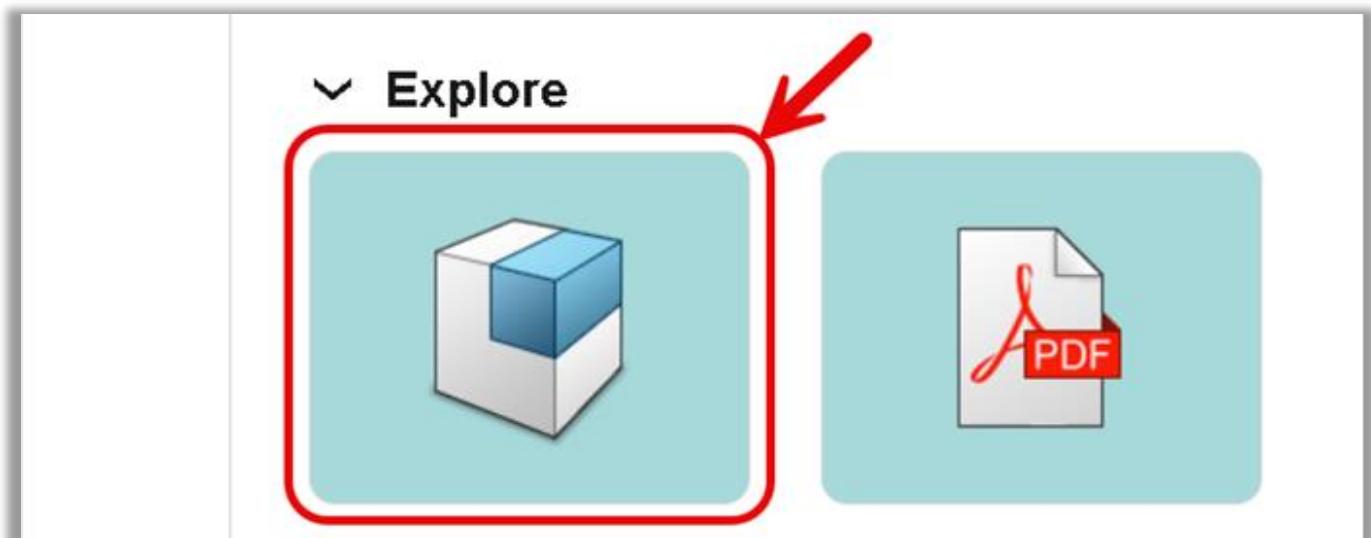


The image shows a screenshot of the xDesign app interface. At the top, there is a header with the xDesign logo and the text "SOLIDWORKS / xDesign". On the left, a vertical sidebar contains icons for "Home" (house), "For You" (heart), "Classes" (monitor with people), and "Design" (rose). The "Classes" icon is highlighted with a blue vertical bar. The main content area displays a class titled "Fab in a Box Class" with the description "Design and make something amazing" and "Professor : Sal". Below this, there are two tabs: "Content" (which is selected, indicated by a blue underline) and "Assignments". Under the "Content" tab, there is a section titled "Explore" with two tiles. The first tile shows a 3D model of a white cube with a blue top section. The second tile, which is highlighted with a red box and a red arrow pointing to it, shows a PDF icon (a red document with a white 'PDF' text and a red 'A' logo). The entire interface is set against a light gray background.

3. Click OPEN



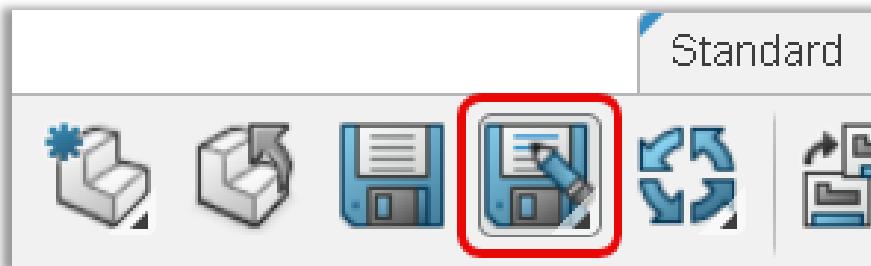
4. Hover over one of the “Spinning Tops – Single Piece Top#” tiles



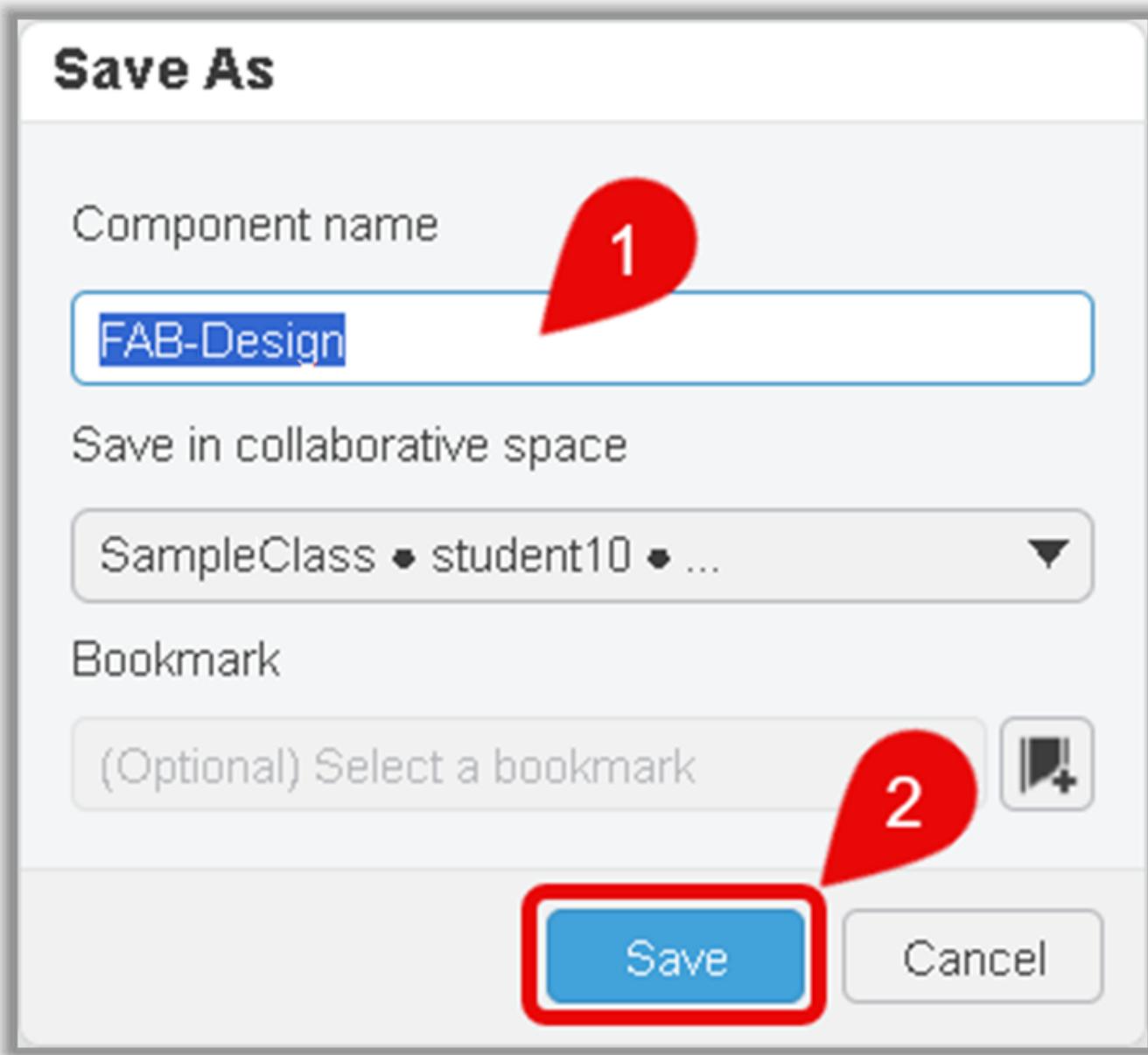
5. Click **OPEN**



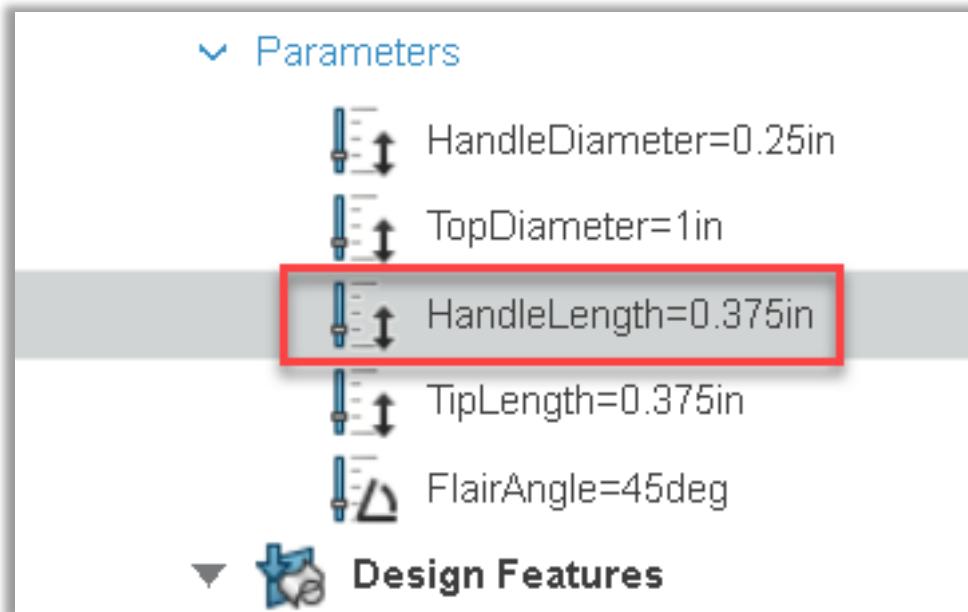
6. Click **Save As** on the Standard tab of the Action Bar



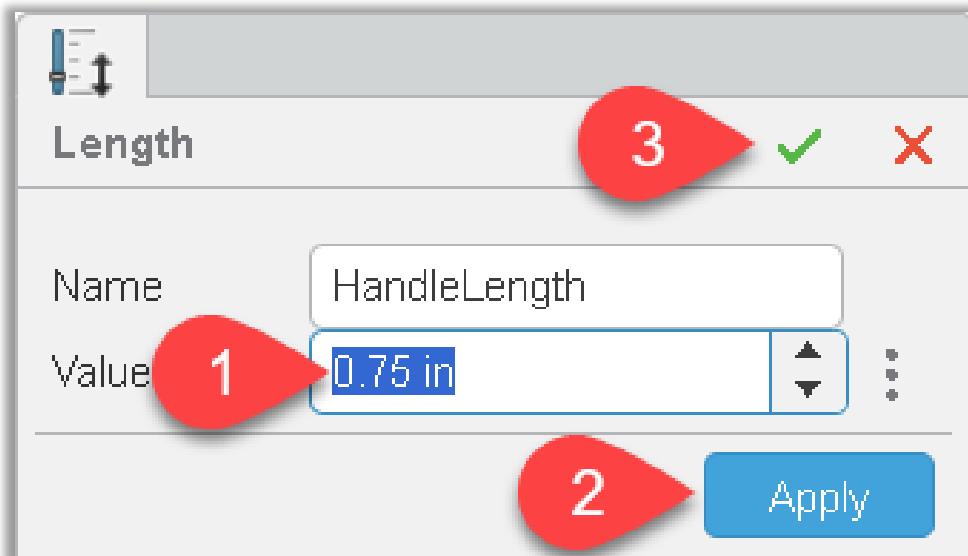
7. [1] Type a name for your design, then [2] click **Save**



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

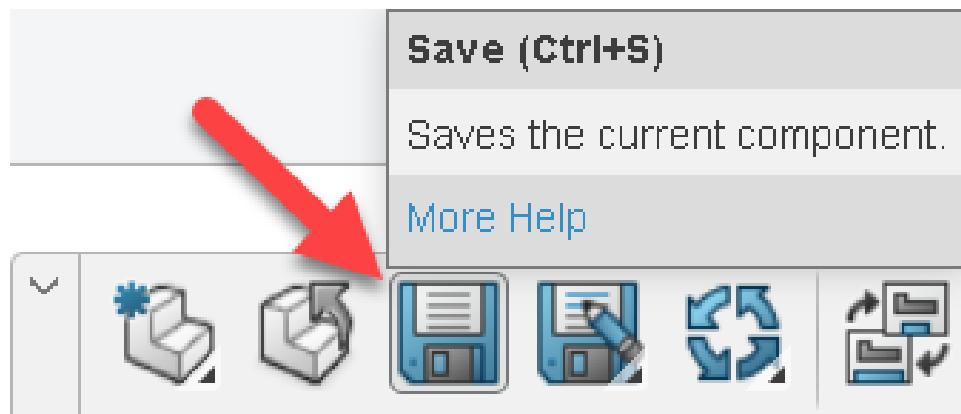


10. Experiment with changing other parameters to customize your top. Just double-click the parameter, change its value, click “Apply”, then click “OK”.

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

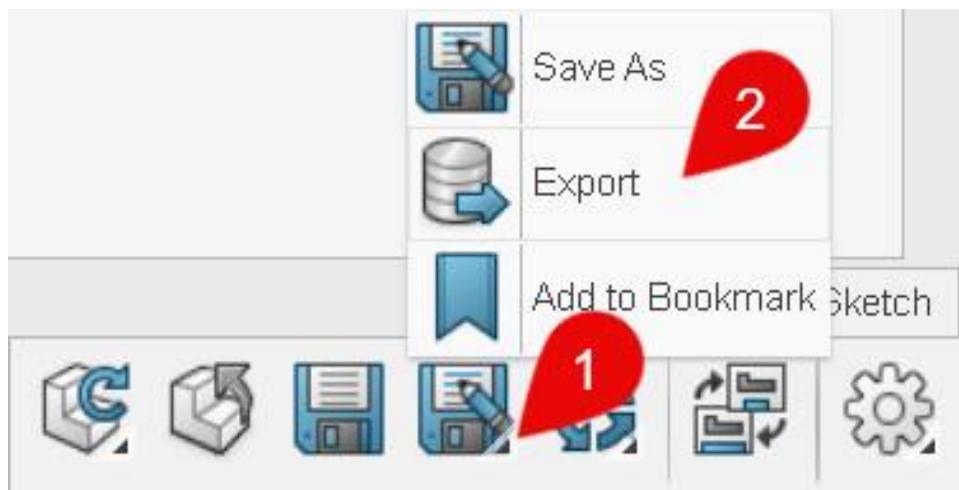
NOTE: The “FlairAngle” supports a range from 30 deg to 70 deg

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

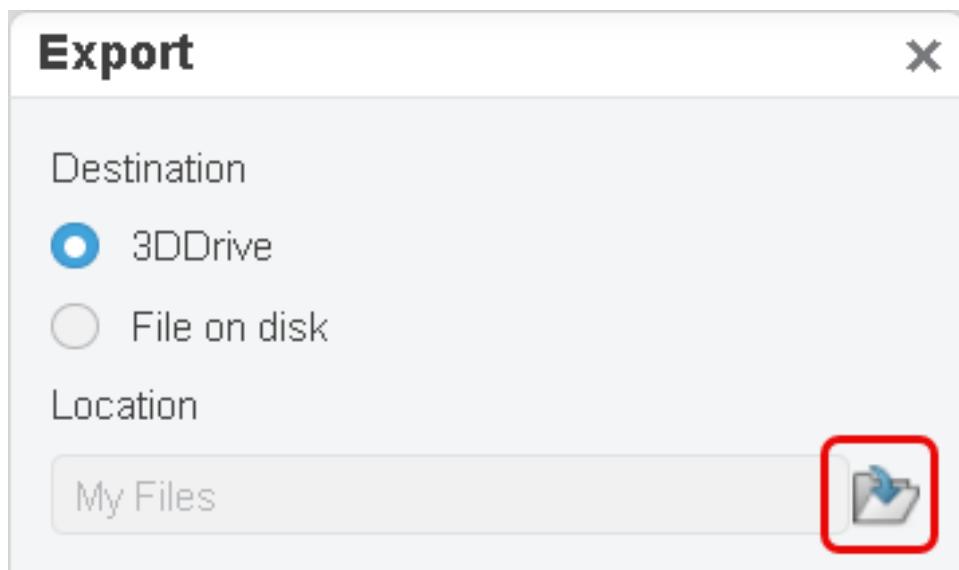


FABRICATE YOUR SPINNING TOP

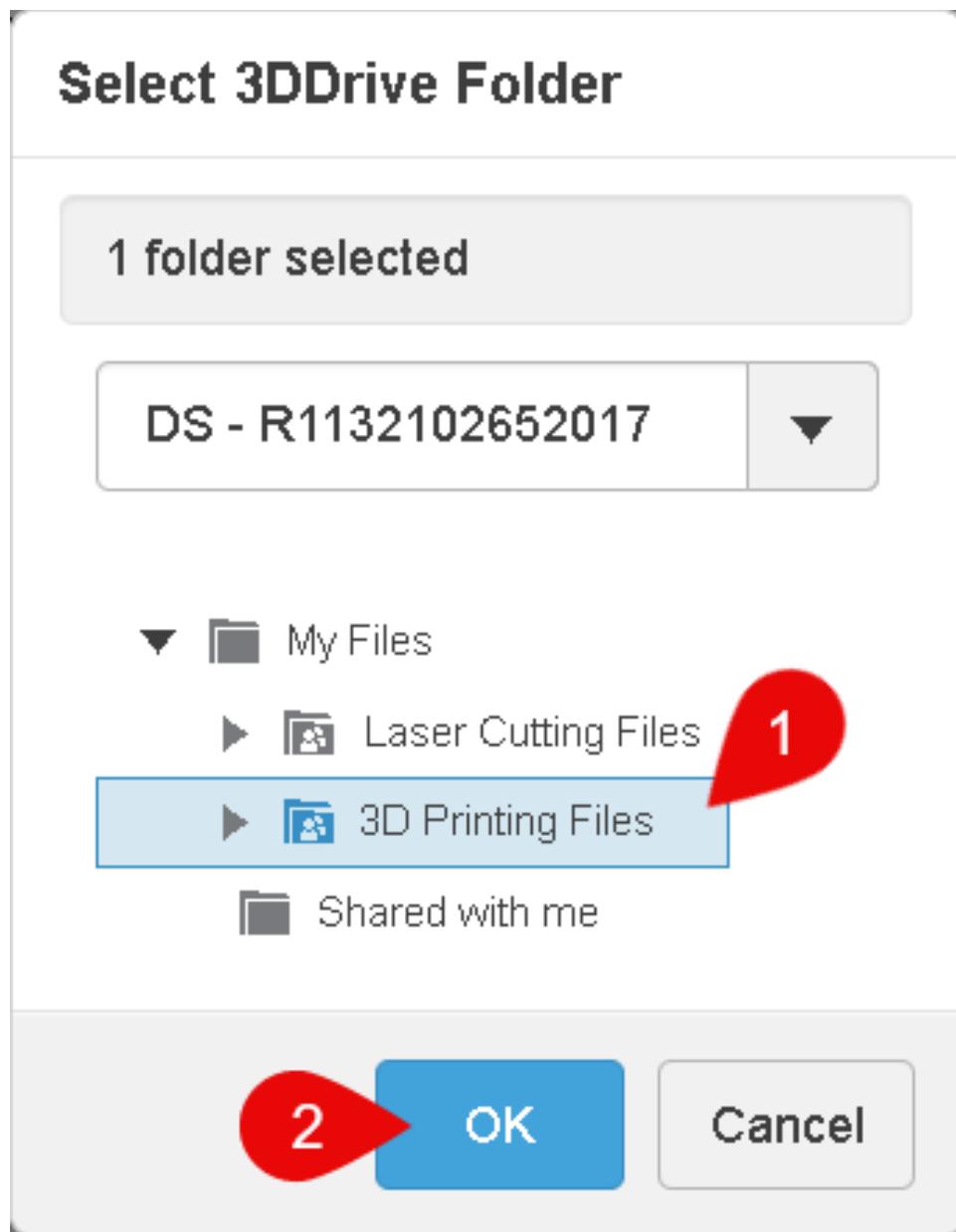
12. [1] Click the flyout corner under the Save As command on the Standard tab of the Action Bar, and then [2] click the **Export** command



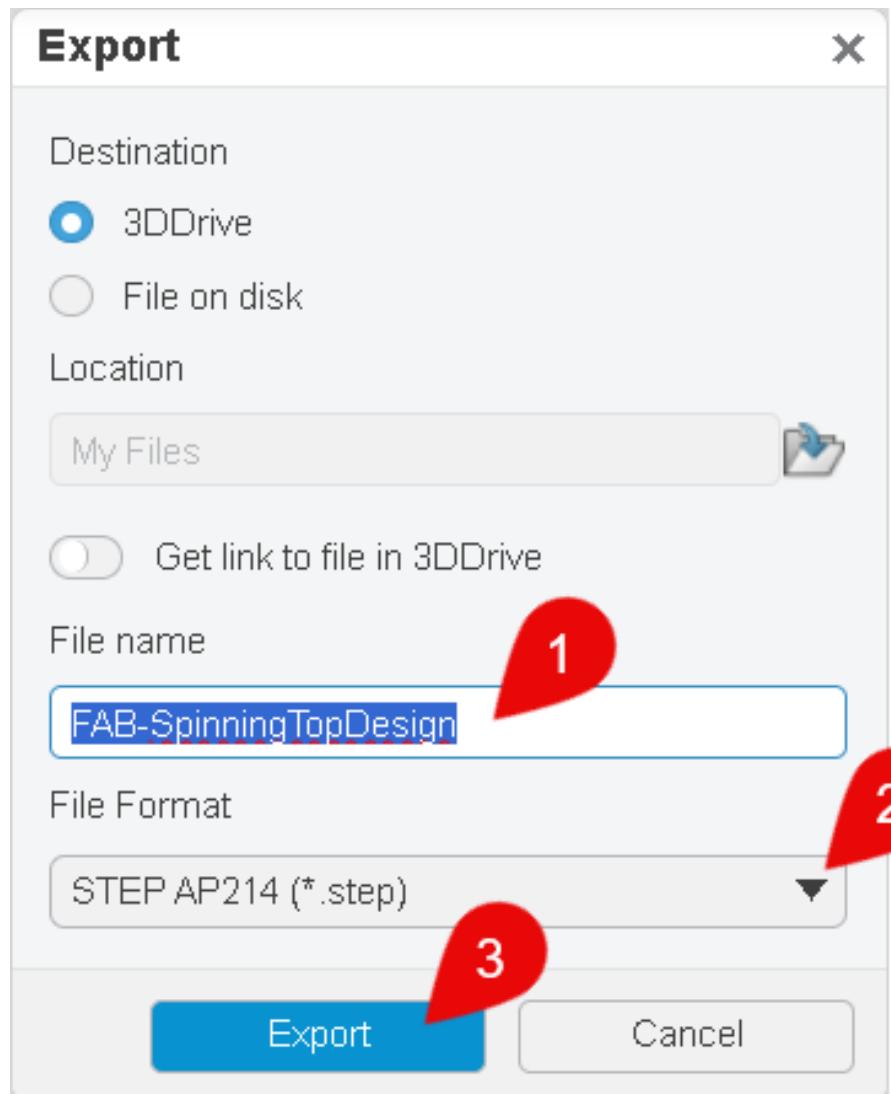
13. Click the Location folder button



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!