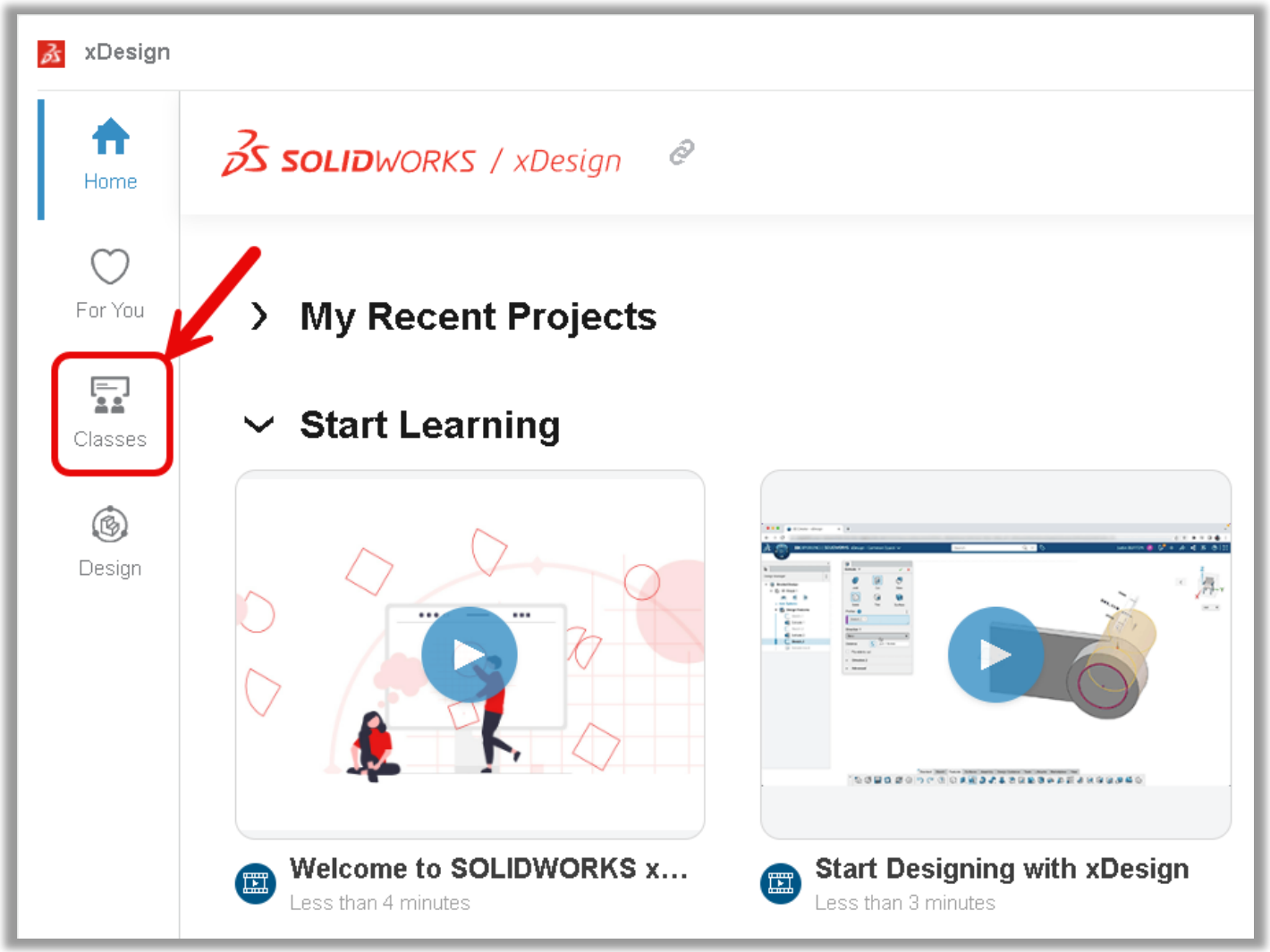
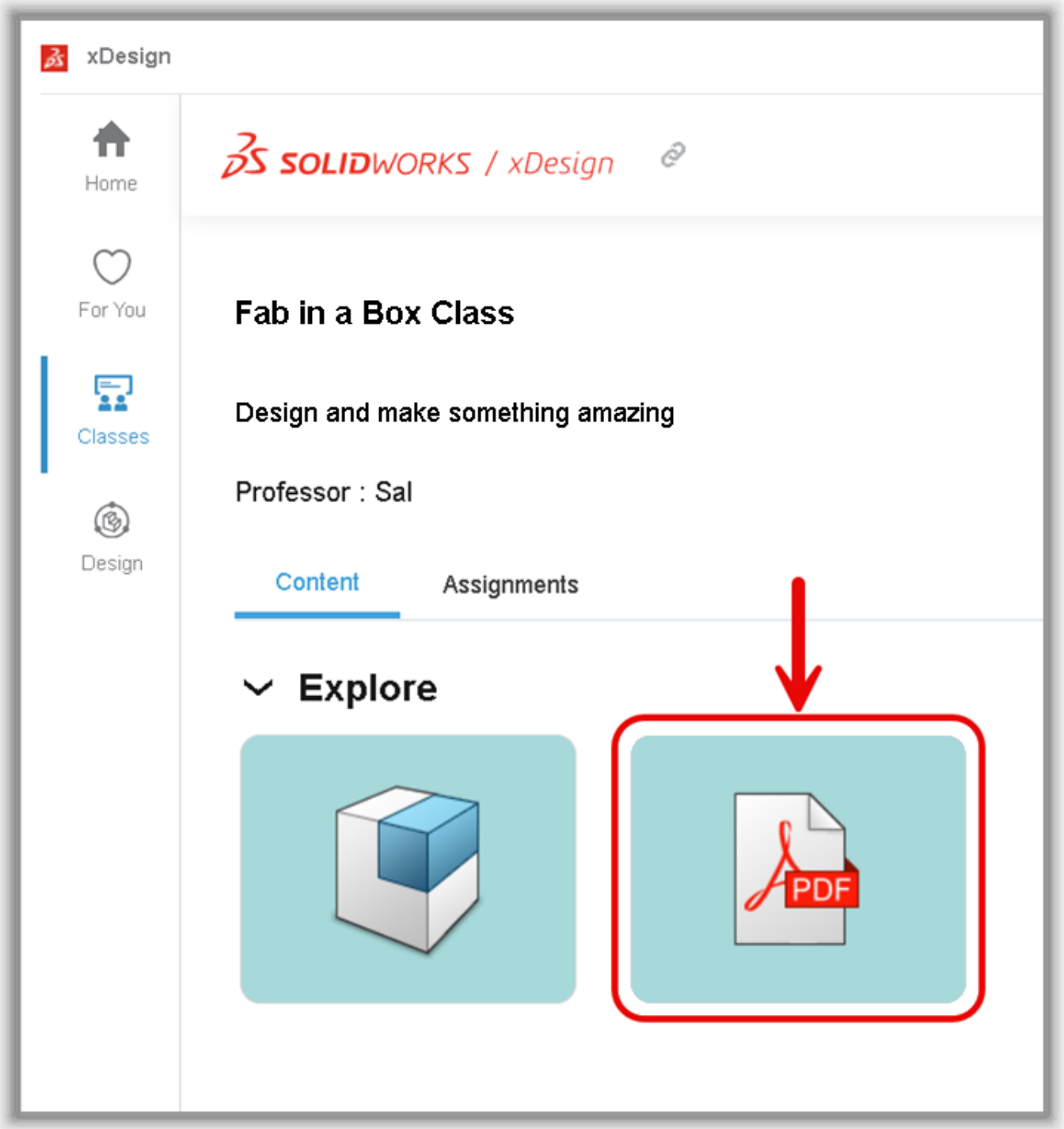
Design and fabricate your own botanical press.

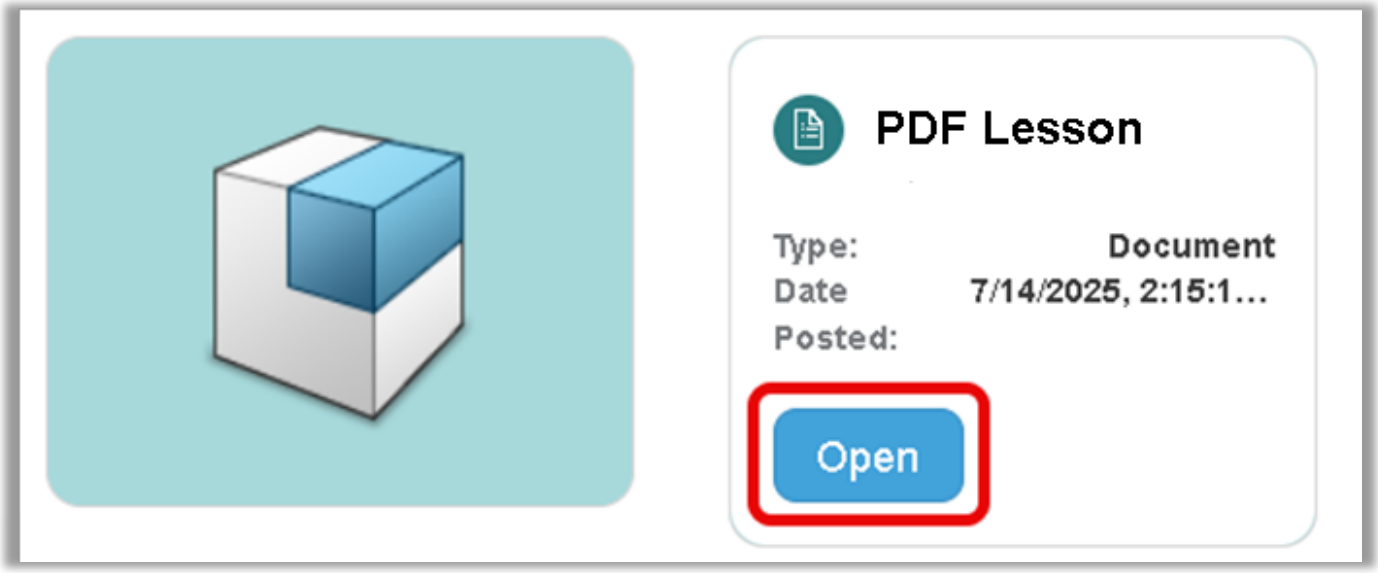
1. Click the **Classes** tab



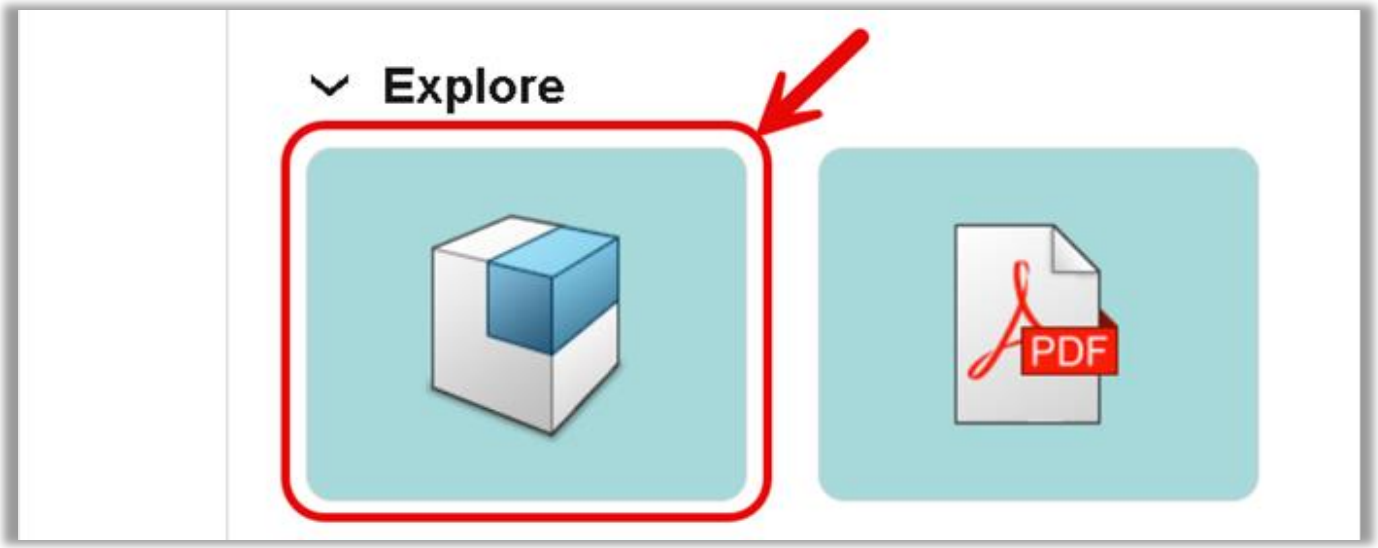
2. Hover over the PDF tile



3. Click **OPEN**



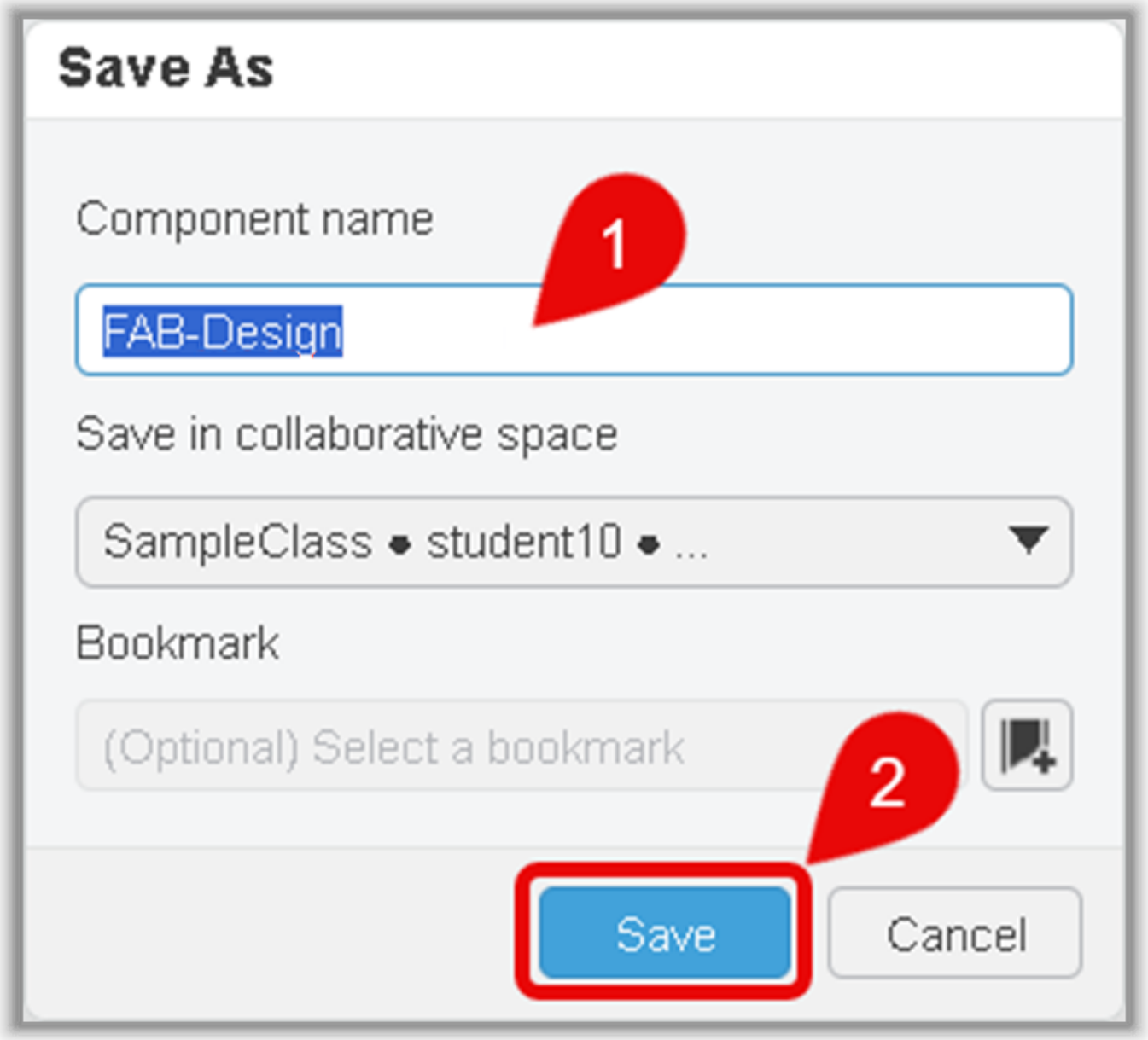
4. Hover over the "**Botanical Press - Simple Press"** tile



5. Click **OPEN**

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

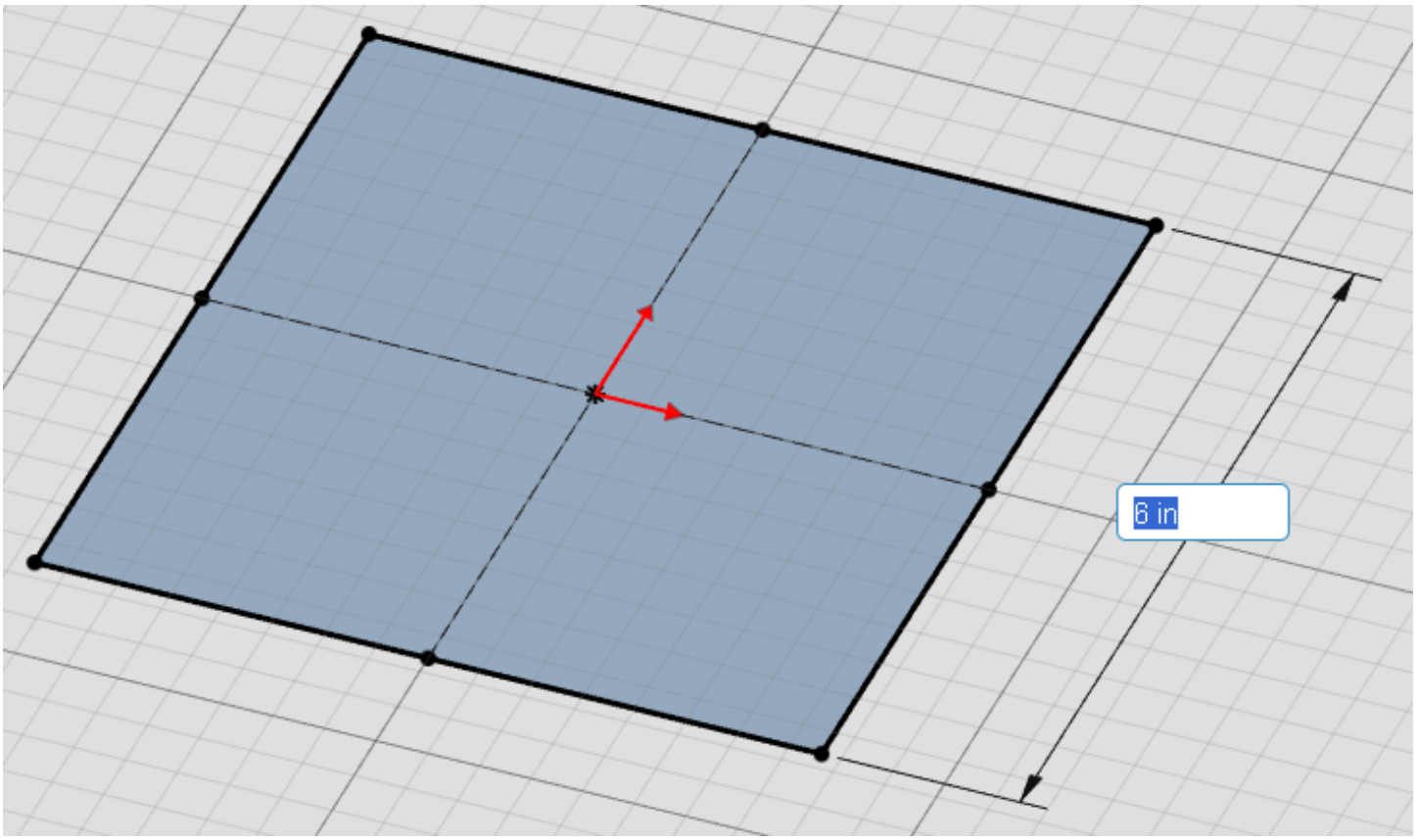
7. [1] Type a name for your design, then [2] click **Save**



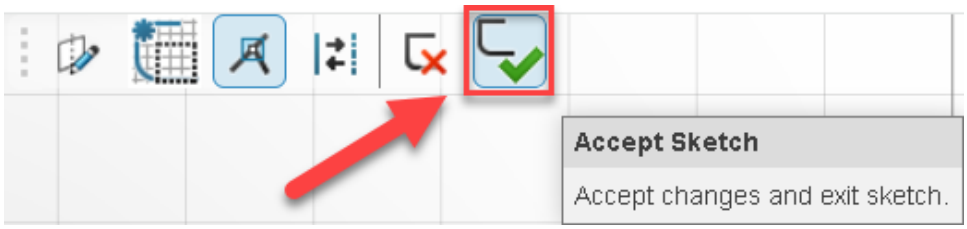
Work with your instructor to choose a size for your press that will minimize waste when you laser cut it from a piece of stock material

8. Double-click the “WoodenBase” sketch to edit it

9. Select the 6” dimension and change it to the dimension that you and your instructor chose

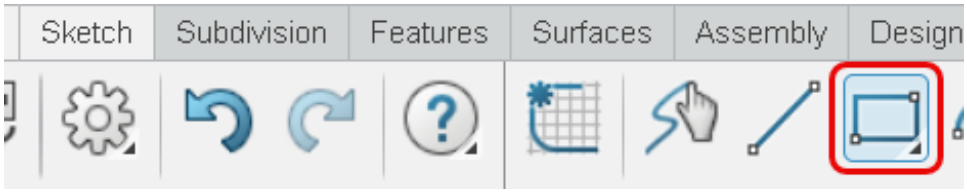


10. Click “Accept Sketch” to update your press

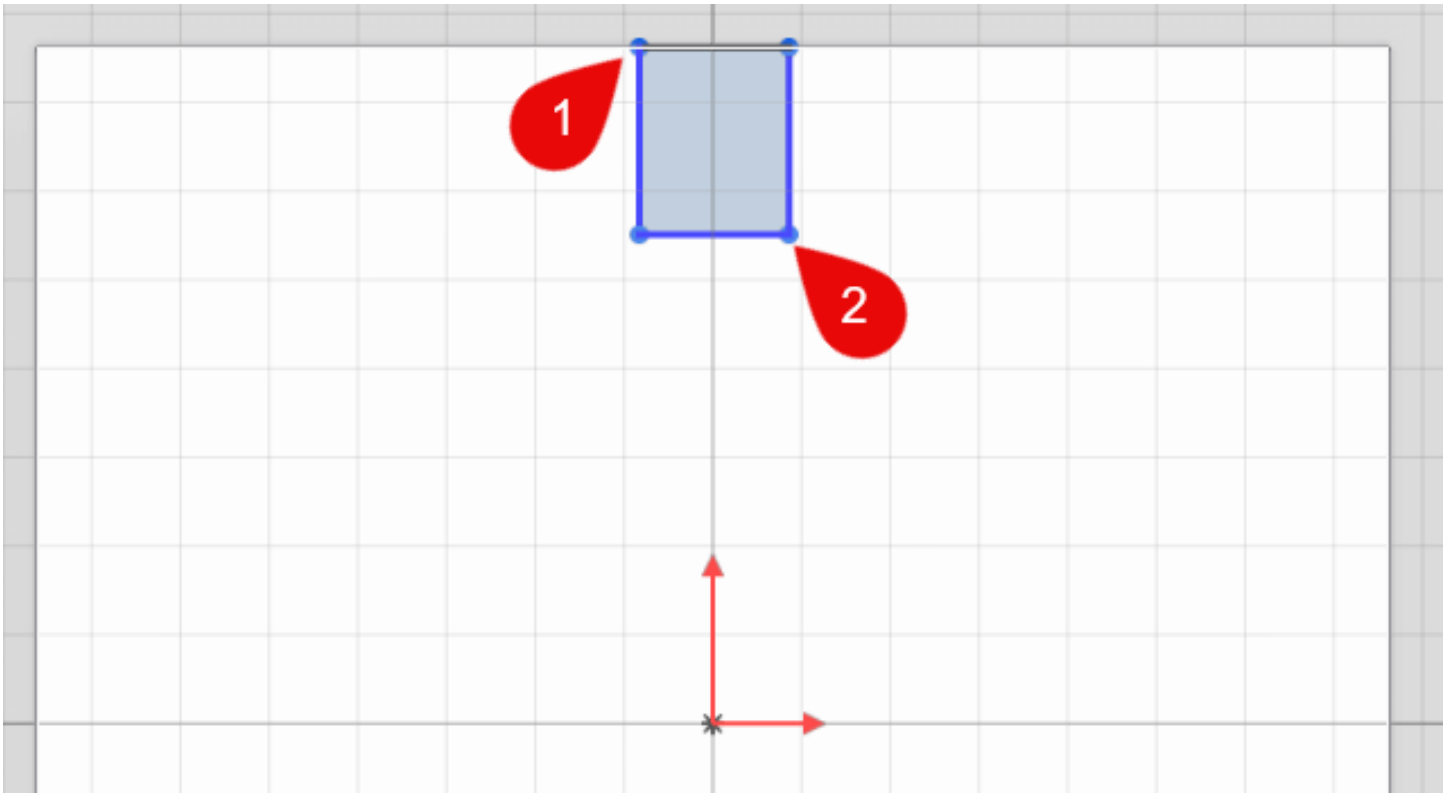


11. [1] Click the large flat face of your press, and then [2[click “Create Sketch”

12. Click the Rectangle tool on the Sketch tab of the Action Bar

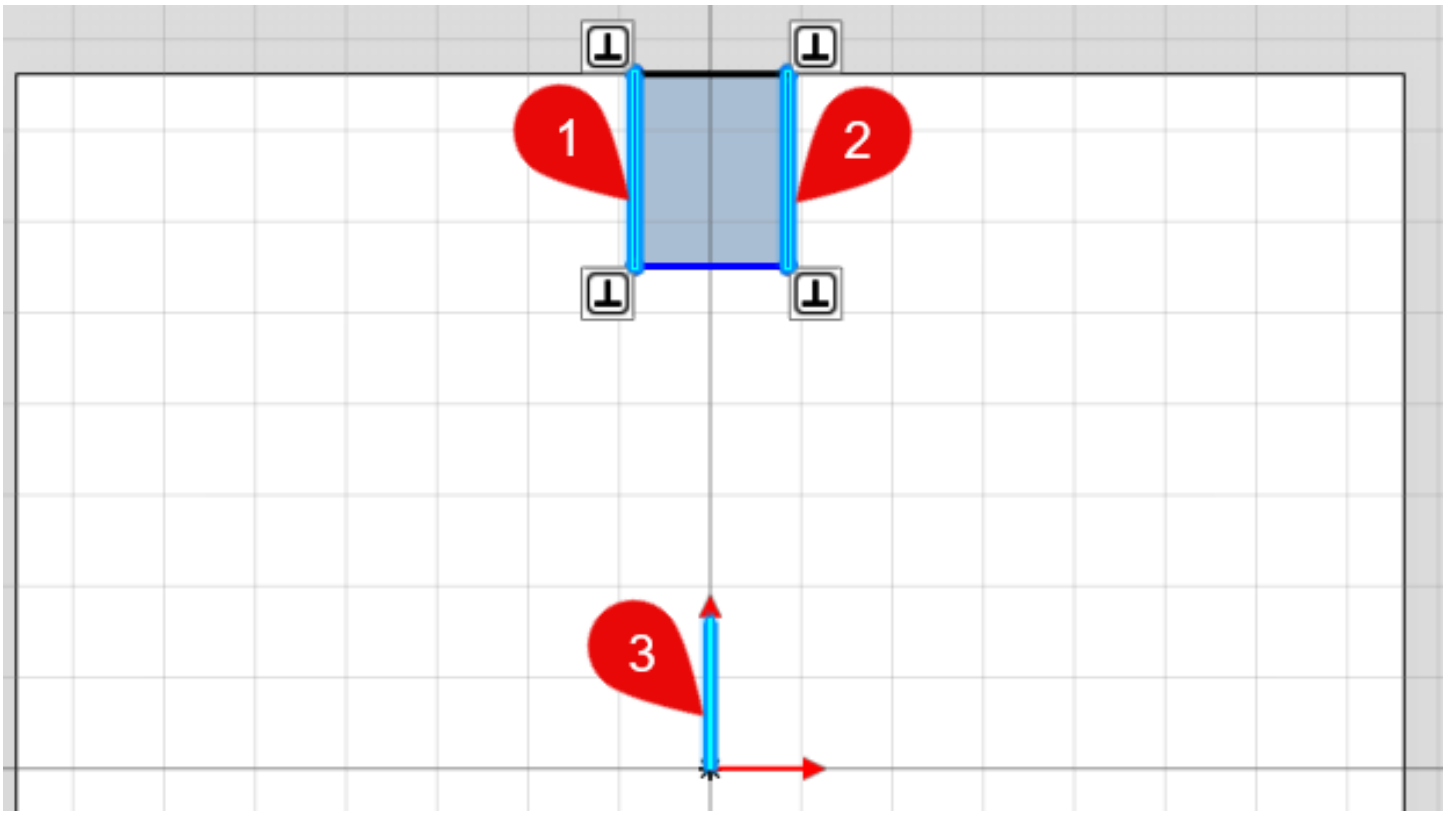


13. Draw a rectangle that is roughly centered along the top edge of the press. [1] Click to place the upper left corner of the rectangle, snapping it to the top edge, then move your cursor down and to the right and [2] click to place the lower right corner

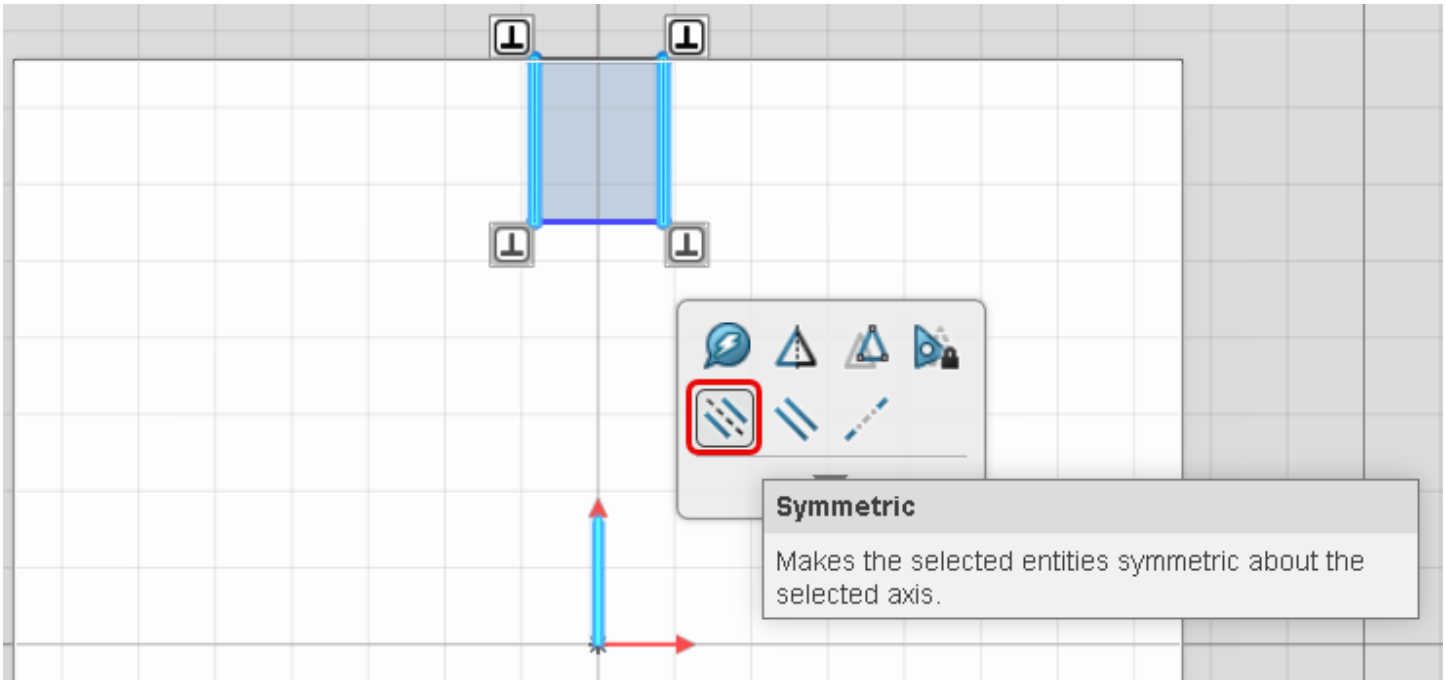


14. Press **Esc** (escape) on the keyboard to turn off the Rectangle tool

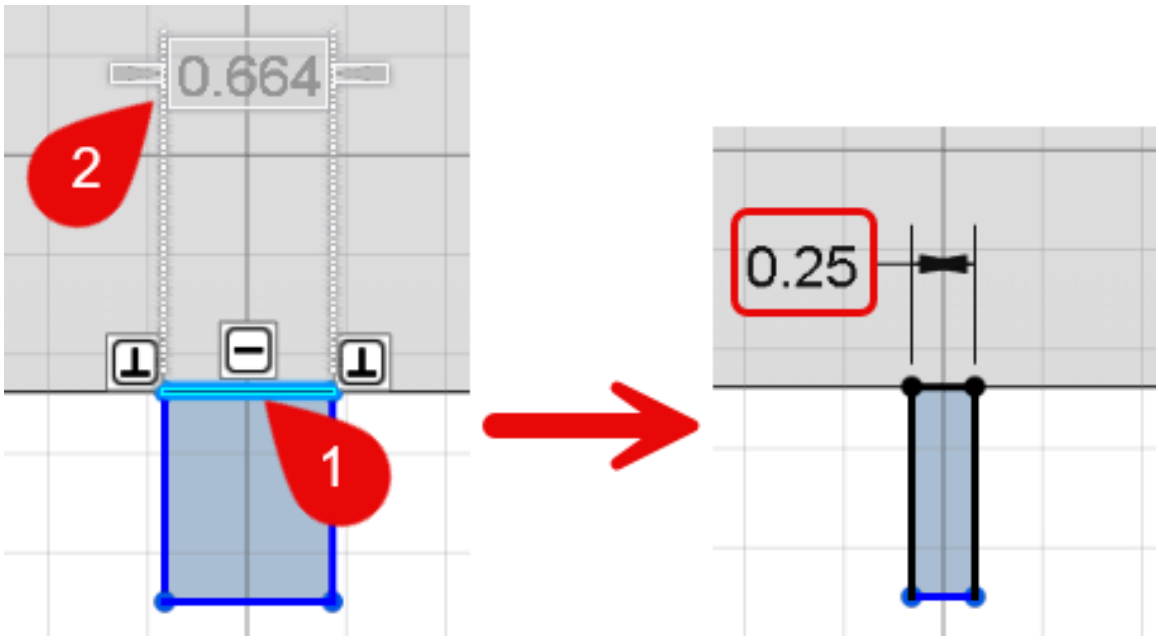
15. Hold down the **CTRL** key on the keyboard and [1,2] select the two vertical lines on the rectangle, and [3] the vertical red arrow of the origin



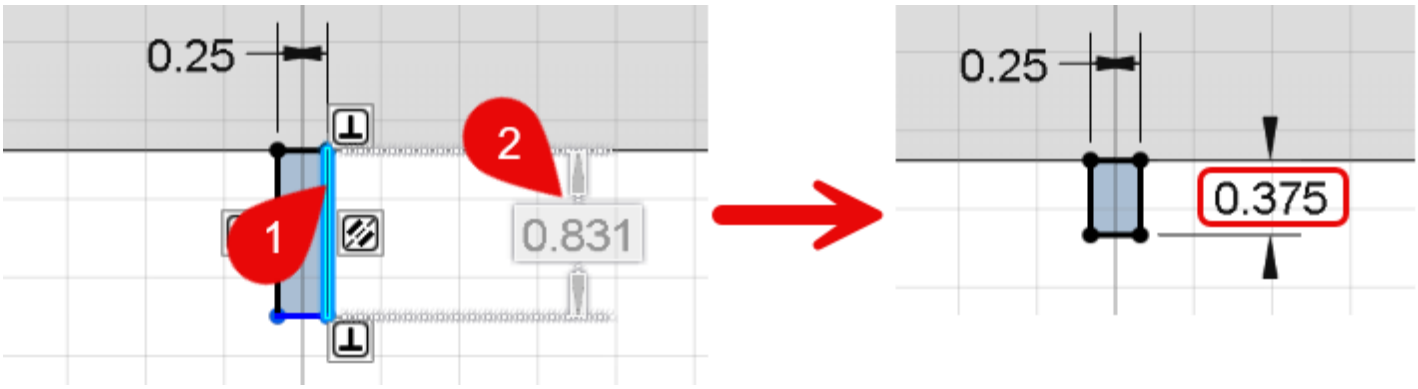
16. Release the **CTRL** key and then click the **Symmetric** sketch relation button



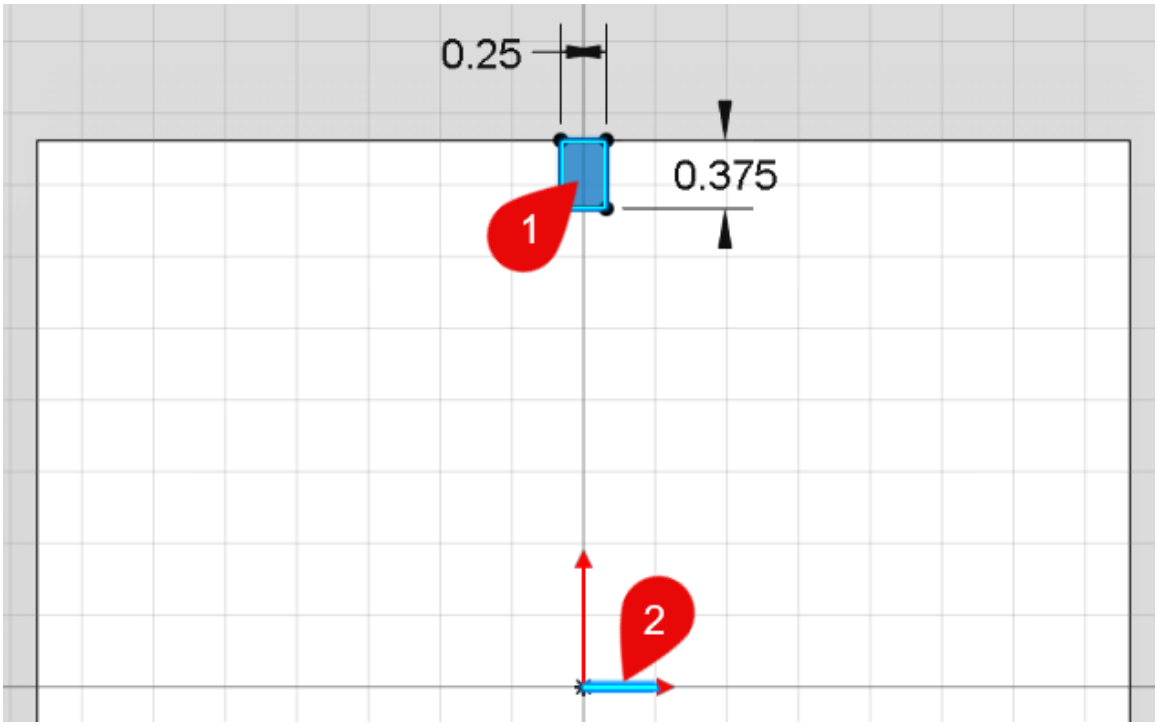
17. [1] Select the horizontal line of the rectangle, then [2] click the preview dimension, type **0.25**, and then press Enter



18. Repeat this process to dimension the length of the rectangle's vertical line to **0.375**

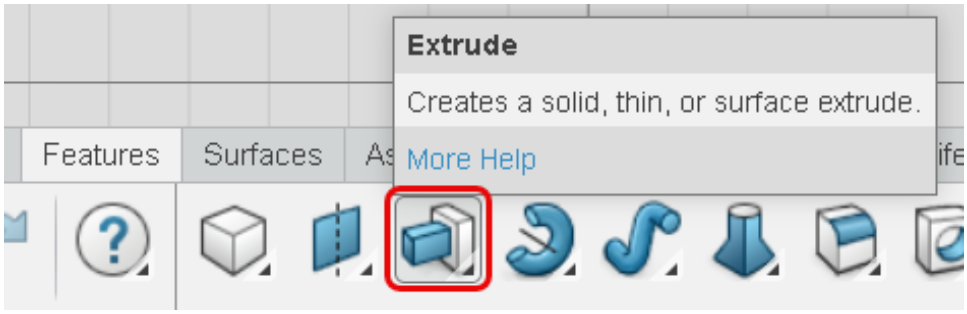


19. Hold down the **CTRL** key on the keyboard, then [1] select the shaded region of the rectangle and [2] the horizontal red arrow of the origin

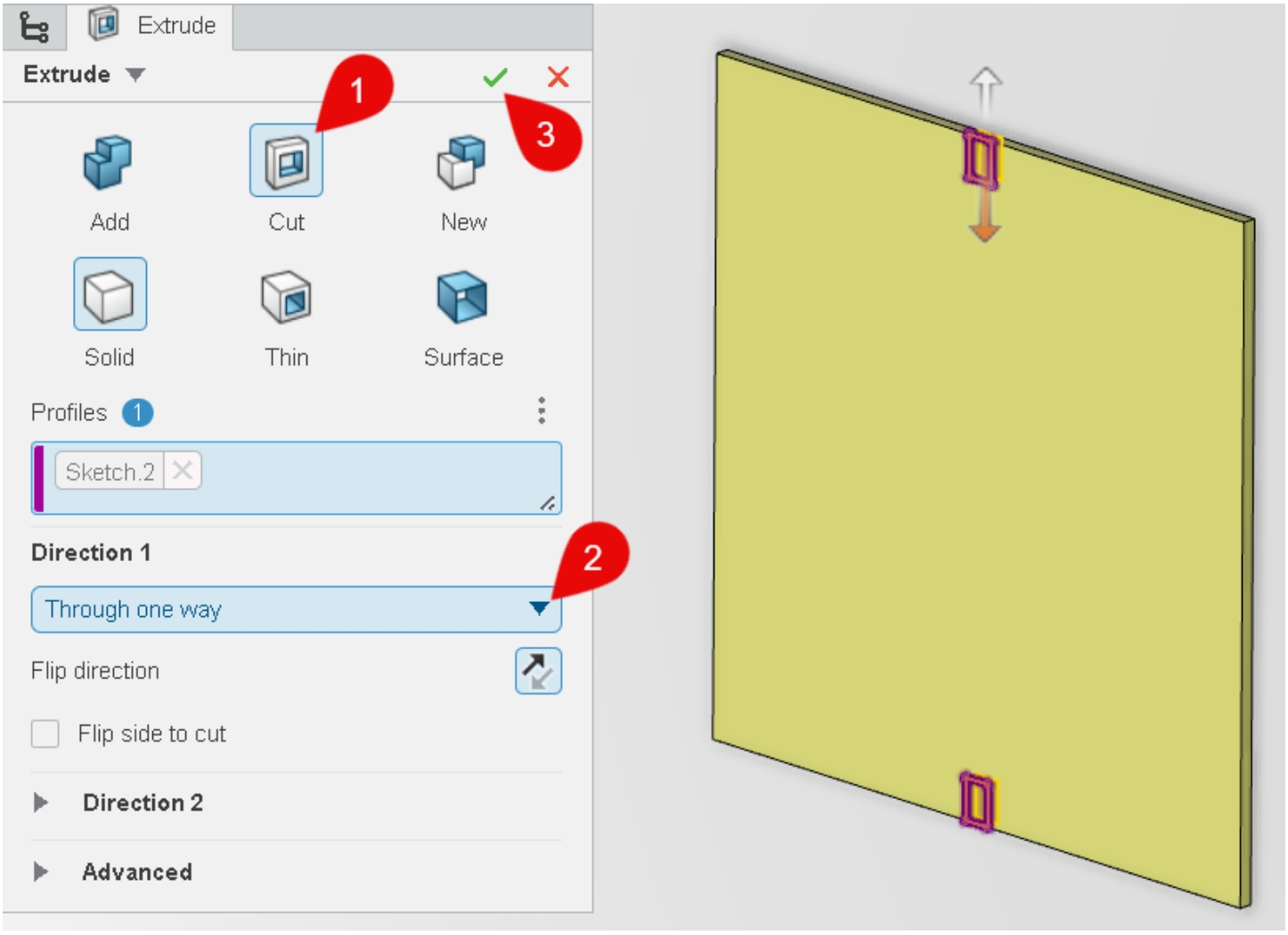


20. Release the **CTRL** key and then click the **Sketch Mirror** button

21. Click **Extrude** on the Features tab of the Action Bar



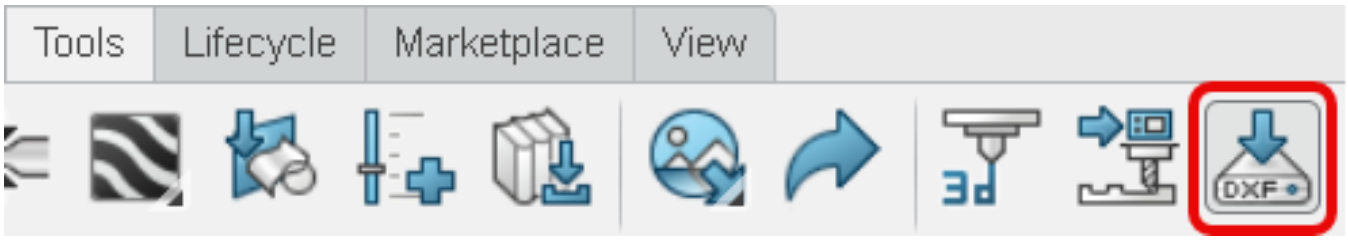
22. [1] Click "**Cut**", then [2] set the Direction 1 end condition to "**Through one way**", and finally [3] click **OK**



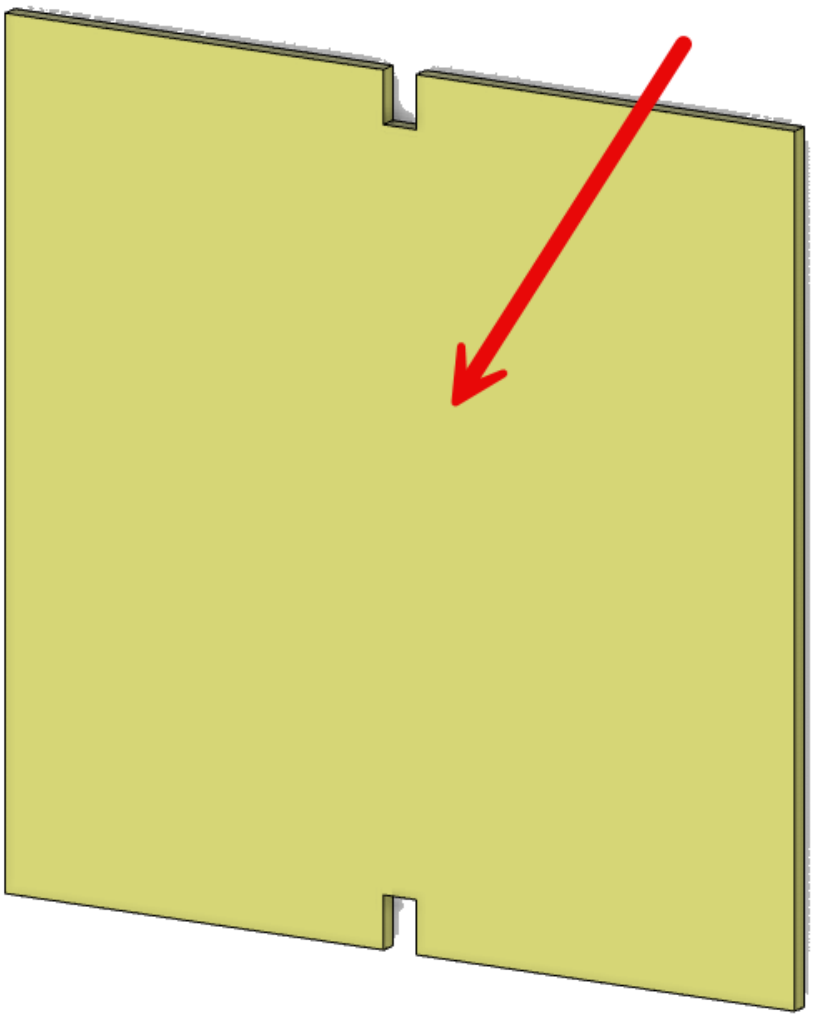
23. Click “Save” on the Action Bar to save your botanical press

FABRICATE YOUR BOTANICAL PRESS

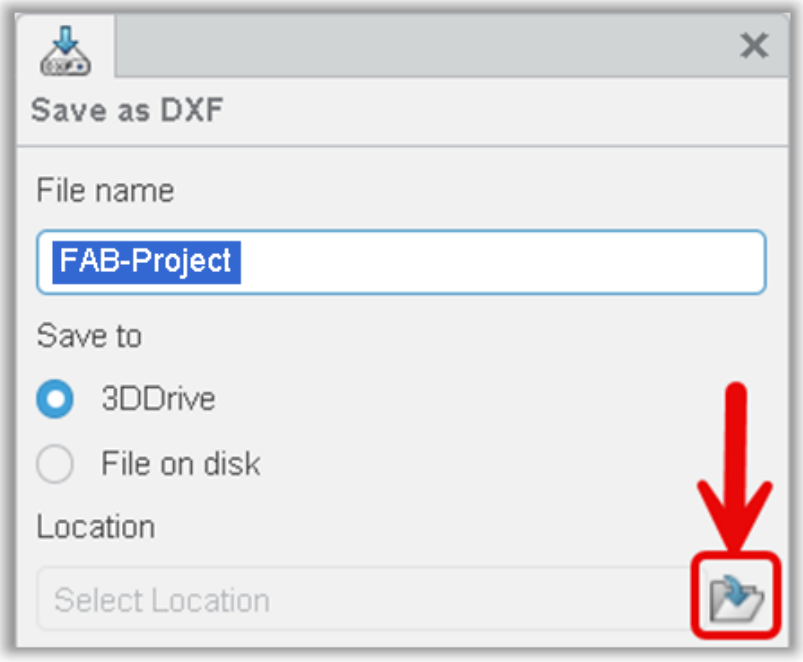
1. Click the **DXF** command on the Tools tab of the Action Bar



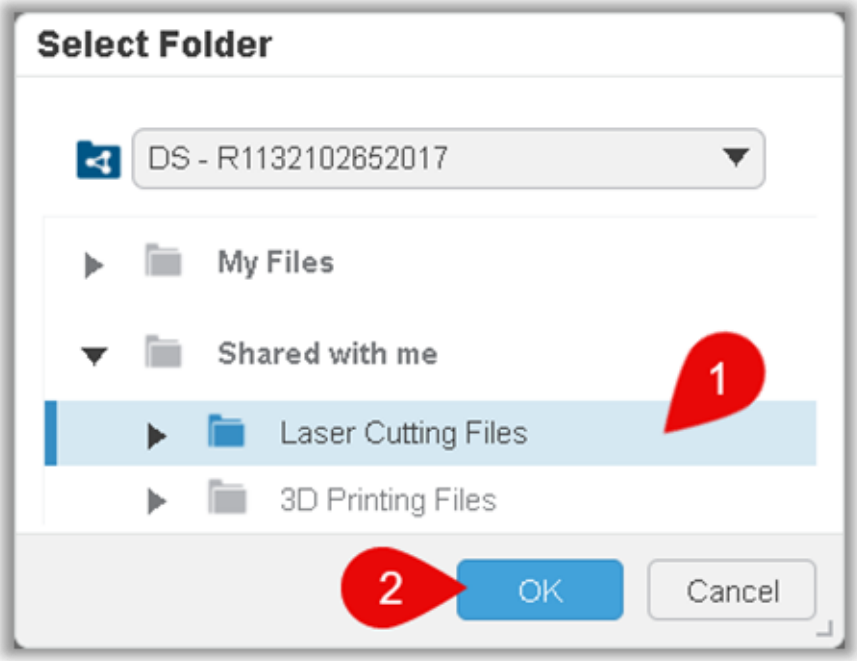
2. Select the large flat face of your press



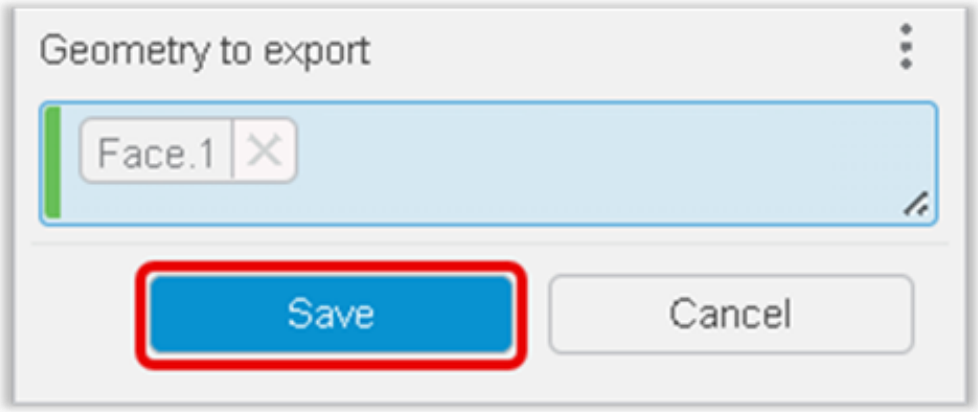
3. Click the Location folder button



4. [1] Select the folder your instructor told you to use to save your files then [2] click **OK**



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



Congratulations!

You're ready to laser cut your botanical press!

See your teacher for further instruction!