



Teaching with BlocksCAD3D

Math Coding Design

With BlocksCAD, students use standards-aligned math lessons while they learn coding techniques and best practices. Students can work on introductory and advanced design projects.

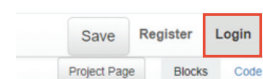
Open **zCentral**  and **ENTER** BlocksCAD3D into Quick Launch

A new browser window will open for use with BlocksCAD3D. Students will need to Register for first use - and Login for subsequent uses.



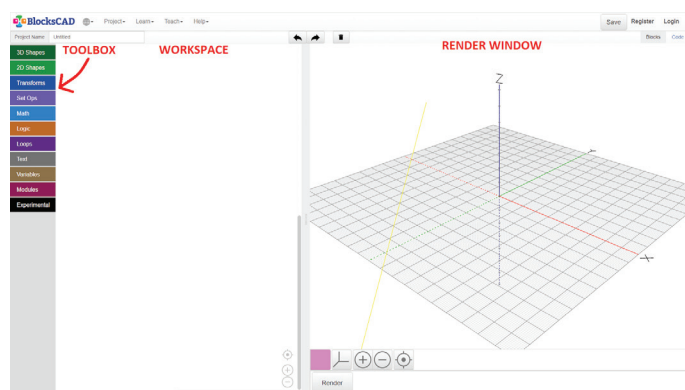
Tip:

Prior to using BlocksCAD with students, your school will need to have purchased student licenses.



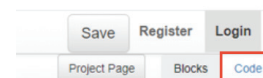
Using BlocksCAD3D

1. Use the mouse to drag and drop coding blocks from the Toolbox to the Workspace.
2. Click on the Render button, at the bottom of the Render Window, to create a 3D model.
3. Explore 3D models using the stylus.



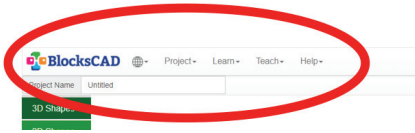
Tip:

Math and Design Lessons are available which include worksheets for students.



Saving Work

Begin by naming.



Only STL and OBJ file formats will import into zSpace Studio.

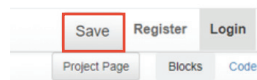
Block projects will be saved as .xml files.

Saving Models

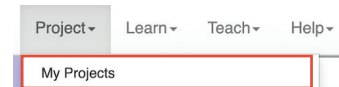
1. Create a 3D model by clicking on Render.
2. On the bottom right corner, select a file format from the drop-down menu and then click on Generate.
3. Saved files will be saved to the download folder and will appear as a download at the bottom of the browser.

Saving Projects

Save projects to work on later.



To reopen projects, select My Projects under Projects.

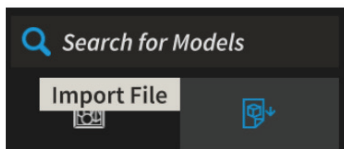


Importing models into zSpace Studio

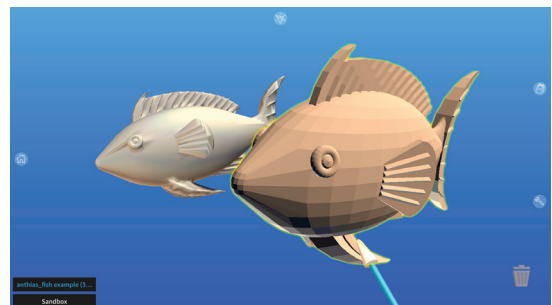
1. Launch zSpace Studio from zCentral. **Launch Code: AP21**
2. Click on the Backpack icon.

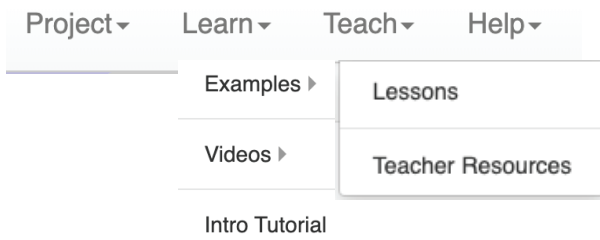


3. Click on the Import File button.



4. Select your STL or OBJ file.
5. You can now explore the model using the stylus.





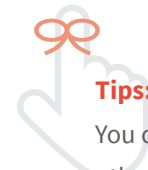
Select “Learn” for Examples, Videos, and an Introductory Tutorial.

When logged in as a teacher, SELECT Teach for Lessons and Teacher Resources.

Lessons:



Teacher Resources:



Tips:

You can import and view other users’ models using BlocksCAD’s community gallery.

1. Click on BlocksCAD in the top-left corner.
2. Click on Gallery.

