

# Teaching Computer Science with zSpace

Learn how to teach computer science using applications on your zSpace AIO or laptop.  
More details for BlocksCAD, Tinkercad, and Unity Programming for zSpace are provided.



BlocksCAD



Tinkercad



Unity Programming



## BlocksCAD (AP45)

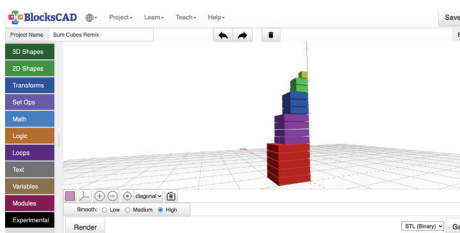
BlocksCAD can be used to teach students computational thinking and coding concepts through 3D graphical visualizations and models.

Elementary School  
Middle School  
High School

### With BlocksCAD, students can:

- Write programs using modules to build a library of shapes to use in designs
- Use variables to create a scalable design
- Utilize the open-source programming language OpenSCAD

Your school can purchase a student license to run BlocksCAD in 3D on zSpace.



## Tinkercad

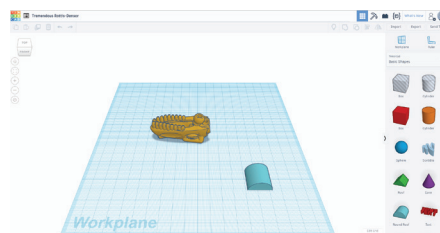
Tinkercad can be used to teach students to use codeblocks to create complex models using simple, solid geometric shapes. These models can be exported to zSpace Studio for further exploration and use.

Elementary School  
Middle School  
High School

### With Tinkercad, students can:

- Drag and drop blocks together to make shapes
- Re-order blocks to refine their design
- Run their code and watch their creation come to life

All users of zSpace can access Tinkercad through zCentral by entering "Tinkercad." Models can be created on other devices and opened in zSpace Studio.



## Unity Programming

Unity can be used as a content-creation platform of choice for zSpace developers. It comprises all the 3D tools, workflows, and learning resources for teachers to produce engaging content and build skill sets for students.

High School

### With Unity, students can:

- Create interactive applications
- Pursue video game development

As teachers, you have access to the Unity Educator Toolkit with the zSpace Supplement. This toolkit provides a robust teaching environment and encourages students to further their Unity development skills.

More information about Unity and zSpace can be found at:  
<https://zspace.com/edu/unityprogramming>

