

Pedagogical Strategies When Using Tinkercad

Recommend these strategies if students are stuck.

- Change measurements by typing in values, rather than dragging.
- Create one 2-unit-cube part, then duplicate it to create other pieces to make the process efficient. This is a CT practice of modularization.
- Pieces should fit exactly on top of each other. This can be tricky. Demonstrate how to do it to the whole class. One way to check if they are exactly on top of each other is to group them and see if they make a single shape (without border lines between the component shapes).
- Students have to decide on the size of unit cube to make sure it fits on the 3D printer bed.