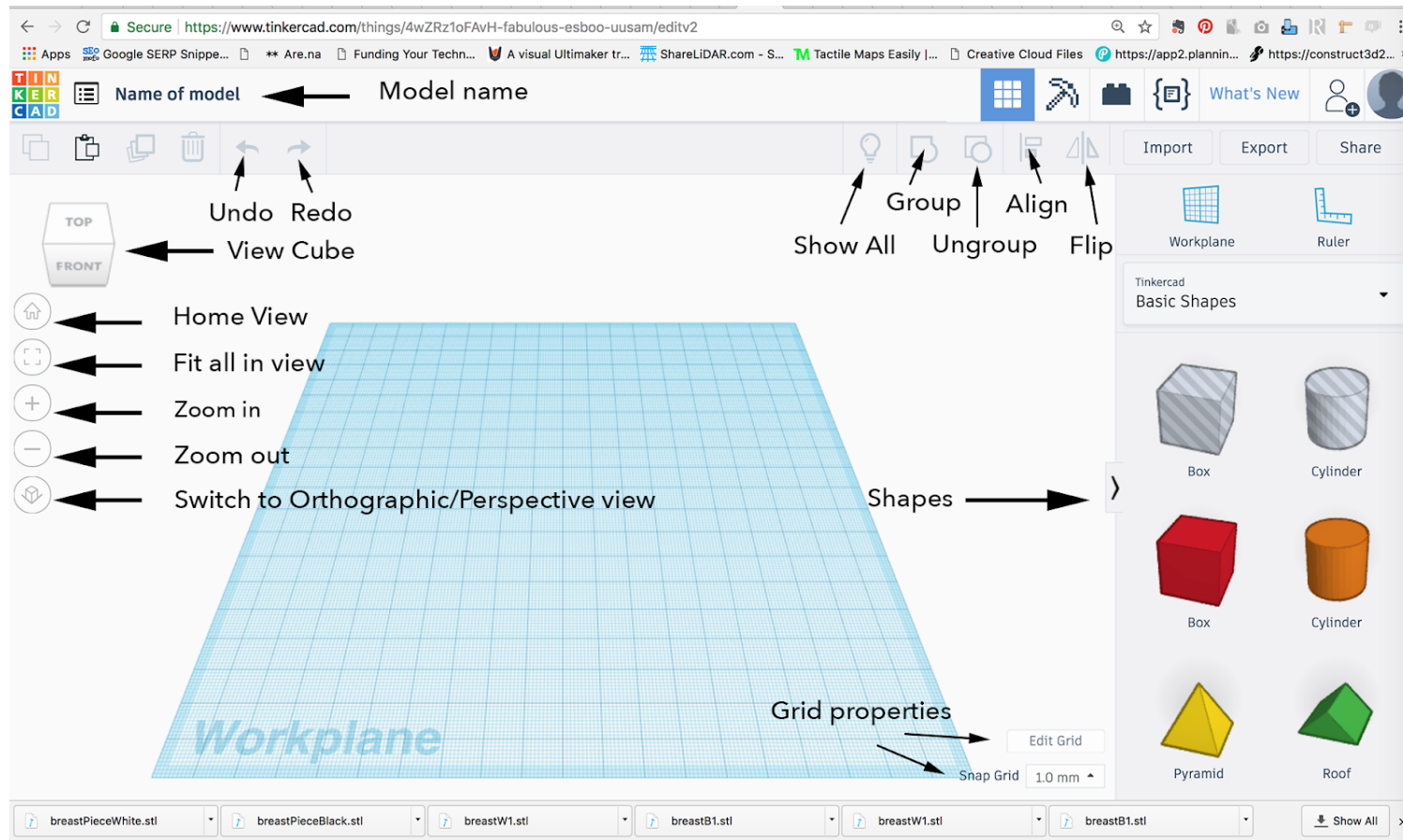


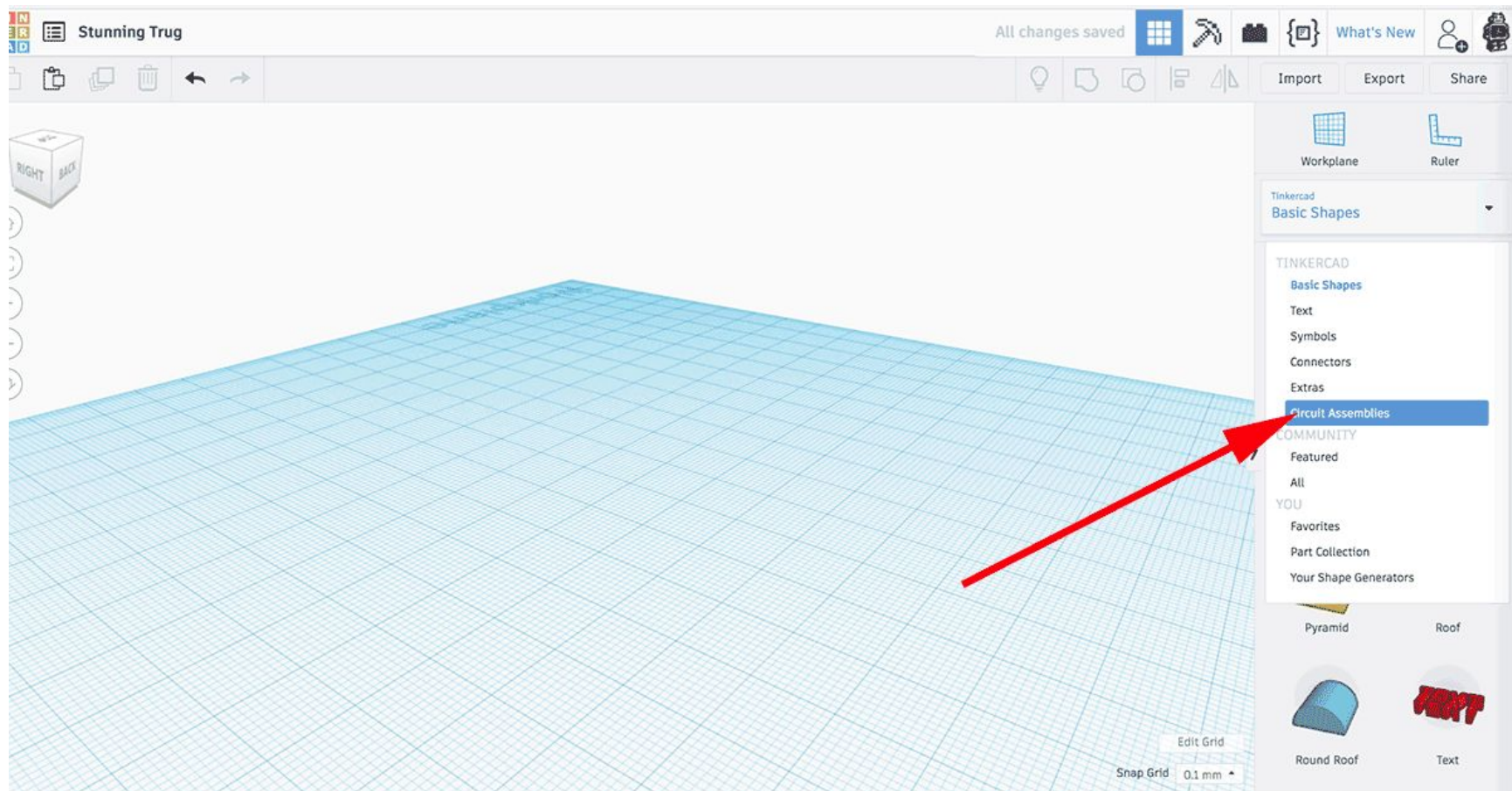
Lesson 3 — More Parts That Fit Together

Student Tinkercad Help Sheet






















Circuit Assemblies

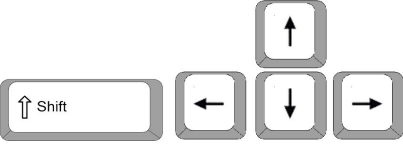
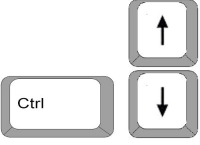
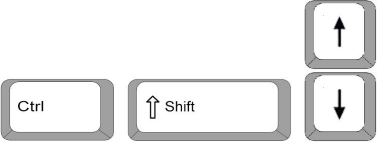


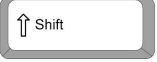

Circuit assemblies allow you to easily incorporate simple circuits into your 3D models.







Tinkercad Quick Keys

Key Combination	Key Combination	Description
 	ctrl/cmd+A	Select all
 	ctrl/cmd+C	Copy
 	ctrl/cmd+V	Paste
 	ctrl/cmd+Z	Undo
  	ctrl/cmd+Shift+Z	Redo
 	ctrl/cmd+G	Group
  	ctrl/cmd+Shift+G	Ungroup

 	ctrl/cmd+D	Duplicate in place
	W	Workplane
	R	Ruler
	F	Fit view to selection
 	ctrl/cmd+L	Lock
	backspace/delete	Delete
   	arrow keys	Move on workplane

	Shift+arrow	Move x 10 on workplane
	ctrl/cmd+up or down arrow	Move up and down from workplane
	ctrl/cmd+Shift +up or down arrow	Move up and down x10 from workplane
 + Translating		Move straight
 +Rotating		Rotate by 45 ° Step
 +Scaling		3D scaling
 +Scaling		3D Scales from center

 +Select		Multi selection
 +Translating		Duplicates and moves
 +Scaling from center		1D scaling
 +Scaling from corner		2D scaling