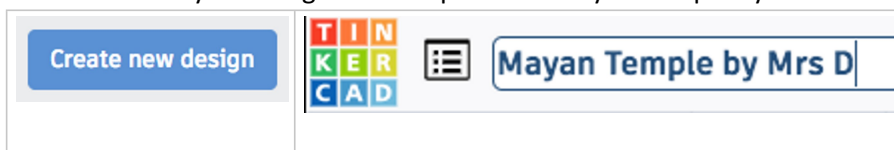# 4. Task 1

Thursday, May 16, 2019   12:02 PM

We are going to use TinkerCAD to create a Mayan Temple! Here is an example below (we will make something a little simpler)
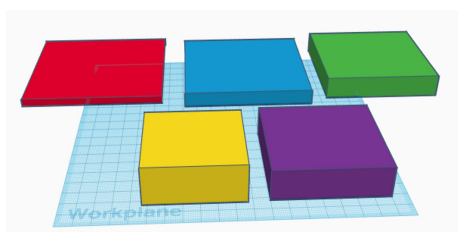

Step 1 – Create a New Design

1. Click on your profile picture to go to your account
2. Click on the Blue button to create a new design
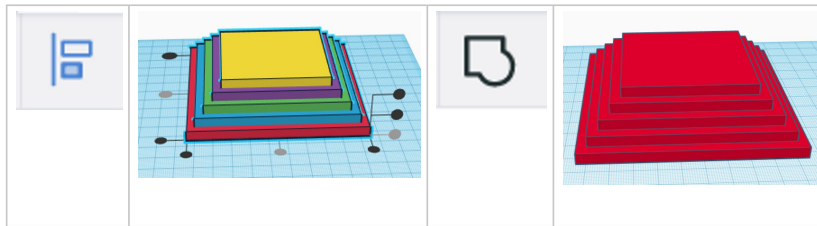3. Rename your design at the top left to "Mayan Temple by ….."

Step 2 - Basic Shape

1. Start by making 5 boxes of the following sizes:

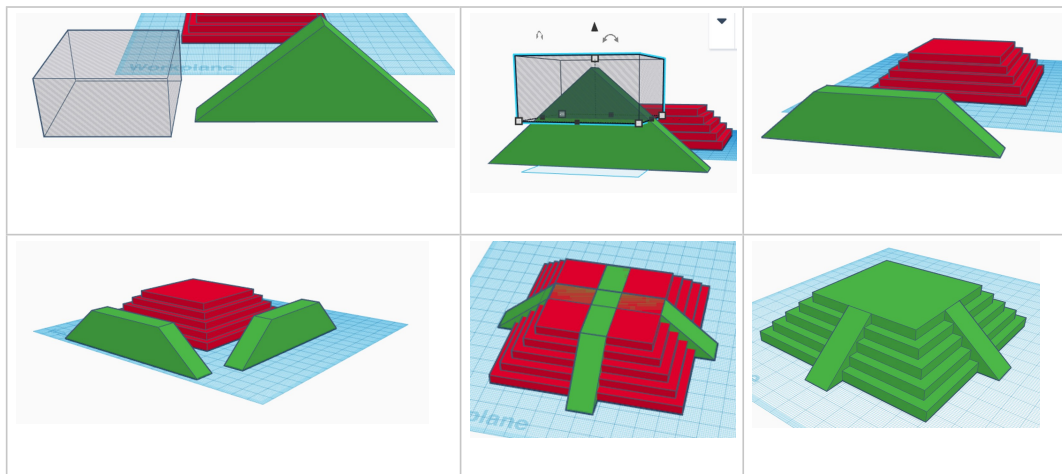|	Colour	Length	Width	Height
Box 1	Red	100	100	5
Box 2	Blue	90	90	10
Box 3	Green	80	80	15
Box 4	Purple	70	70	20
Box 5	Yellow	60	60	25

2. Select them all (hold Shift and click each box, or draw a box around them all)

3. Click on the align button and align centrally horizontally and vertically (see the grey circles below)
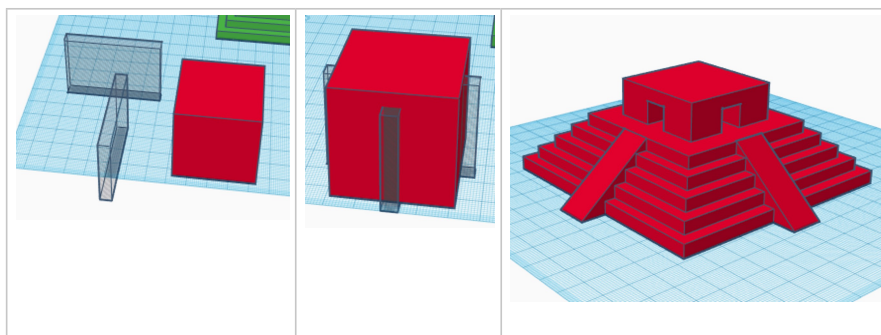
4. Group together.

Step 3 - Steps

1. Create a roof shape that is 15mm in width, 120mm in length and 50mm in height
2. Create a hole box that is 80 x 40 (height 40mm)
3. Raise the hole box 25mm above the workplane
4. Align and group to cut out the top
5. Duplicate the steps and rotate 90 degrees.
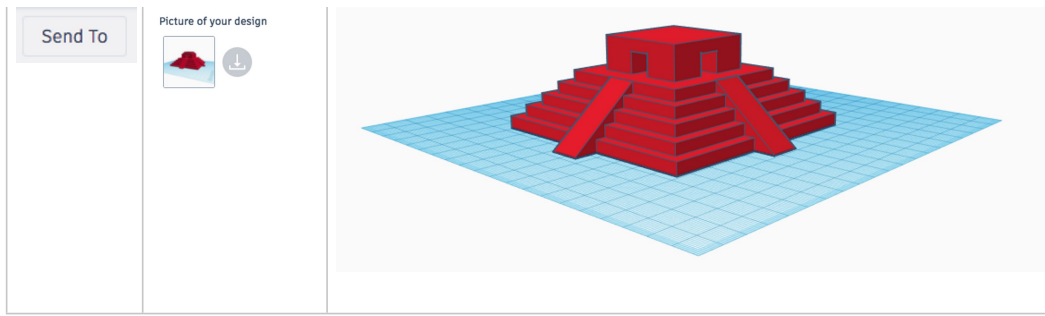6. Align everything and group together

Step 4 - Top of Temple

1. Insert another box size 40 x 40 (height 40)
2. Insert a hole box size length 10 x width 50 (height 35)
3. Duplicate this hole box and rotate 90 degrees
4. Align and group together
5. Align and group with the rest of the shapes

Step 5 - Top of Temple

Download a picture of your design and upload to OneNote

Extension: How can you add extra detail to your design?