







Google Sketchup and Google Earth

- >Open Google Sketch Up
- >Choose Template >Google Earth Modeling (Meters)
- >Start Using Sketch Up


1. Import location from Google Earth to Sketch Up

- Find location in Google Earth
- Zoom position
- In Sketch Up, click 'Get Current View' button  (top tool bar)
- Google Earth snapshot is imported
- Use 'Orbit'  and 'Pan'  buttons to change view of image (drag and rotate to view from above).

2. Create the building in Google Sketch Up

- Select 'Axes' tool  (left-hand tool bar)
- Click once in corner of building
- Align red axis to one side of building and click
- Align green axis (at right angle to red) and click
- Don't worry about Blue axis
- Axes don't need to be exact. Just roughly aligned to edges of building.
- Select 'Line' tool  and trace outline of building (hold ctrl and click on corners) – start at origin; click on each corner; when traced back round to start, the surface of the building is created.
- The surface is created
- Use 'Orbit'  and 'Pan'  buttons to change view of image (drag and rotate to view angled form side).
- Select 'Push/Pull' tool 
- Pull up the building to the height you want (if you know the actual height you can type it in the 'Distance' box in the bottom right-hand corner)

3. Texture building with photos

- Take photos of building (all sides) and save them (your teacher might have done this for you)
- In Sketch Up: use 'Select' tool  to select a face (wall) of building.
- In Sketch Up: File > Import
- Select appropriate image (select 'Use as texture') click 'open'
- Click image in lower left-hand corner of building model and drag to lower right-hand corner
- Rt click on image/building face > Texture > Position
- Drag photo to rough best fit position
- Rt click > uncheck 'Fixed pins'
- Click and release to move (pick up) pins: position pins in corners of building image and then click on position to place pin.
- Click and hold to drag pins to corners of building model.
- Repeat on all corners
- When happy: Rt click > Done

- Repeat process with other pictures for back and sides of building

(Buildings with split levels)

- If building has split roof levels:
- Select 'Line' tool 
- Draw lines to divide building
- Use 'Push/Pull' tool  to achieve different split heights

4. Add roof image

- Go back to Google Earth
- File > Save Image (i.e. as roof.jpg)
- Use same process as before to add roof image to roof of building model

5. Preview model in Google Earth

- Click 'Place Model' button 
- Model will be exported
- Can view as 3D image in Google Earth

6. Share model to Google 3D Warehouse (optional)

- Must have Google account and be signed in
- (<https://google.com/accounts/NewAccount>)

- In Sketch Up, click 'Share Model' button
- Follow steps to share



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