

	<p>Show slide 3 and explain that these are a set of buildings which have been created in Sketchup and have been uploaded into Google Earth.</p> <p>Show slide 4 and explain that this is the ultimate result which can be achieved.</p> <p>Ask students to think of about some of the advantages of creating 3D building designs and loading them into Google Earth for others to see.</p> <p><u>Skills Demonstration</u> Show the following video from YouTube (if YouTube is inaccessible in school you might need to have an offline copy of the video available)</p> <p>http://www.youtube.com/watch?v=IMLmfrRsu6M (only show up to 6 mins 45 secs)</p> <p><u>Teacher explanation</u> Tell students that they are going to create a 3D design for one of your school buildings. You could provide an incentive and offer to apply to upload the best one to Google Earth for permanent reference (explain that acceptance by Google Earth is not guaranteed.)</p> <p>Show students which school building they will be creating for their task.</p> <p>Show students where they can access the photographs that you have previously taken and stored of the outer walls of the school building.</p> <p>Hand out a copy of the instructions, 'sketchup_googleearth.doc' to each student.</p> <p>Write the school postcode on the board so that students can find the school quickly</p> <p><u>Individual task</u> Students should log on, open Google Earth, find the school and begin to create their 3D design of the school building.</p> <p>Offer help and assistance as required.</p> <p>Whilst students are working, collect their printouts that they have brought to the lesson of their 'streets of the future' work.</p>	<p>7.5mins</p> <p>5 mins</p> <p>27.5 mins</p>
<p>Review/Summary At least 5 minutes before end.</p>	<p>In small groups, ask students how they think that they could use this new technique in their Geography lessons. Could they see any use for this technique in other lessons? Perhaps MFL? Groups to feedback suggestions to the class.</p>	<p>5 mins</p>
<p>Extension work</p>	<p>Watch the remainder of the YouTube video and use other techniques shown to improve their design.</p> <p>Begin to create a 3D design of their own home. They can take photographs and bring them into next week's lesson.</p>	
<p>Homework</p>	<p>Search Google Earth and find an example of a 3D building which has been created by someone. Write down the map co-ordinates. Write a couple of sentences to explain what you like/don't like about this 3D building design.</p>	

Materials required	<p>Consider all reasons.ppt</p> <p>Googlesketchup_earth.ppt</p> <p>Sketchup_googleearth.doc</p> <p>Google Earth installed locally onto each machine</p> <p>http://www.youtube.com/watch?v=IMLmfrRsu6M - it would be useful if students could also access this video during the lesson for reference</p> <p>Photographs of one your school buildings. You will need views of each outside wall. Save these in an area which the students can access and ensure they each wall is clearly identifiable by its file name.</p>
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You may:

- Guide teachers or students to access this resource from the teach-ict.com site
- Print out enough copies to use during the lesson

You may not:

- Adapt or build on this work
- Save this resource to a school network or VLE
- Republish this resource on the internet

A subscription will enable you to access an editable version and save it on your protected network or VLE