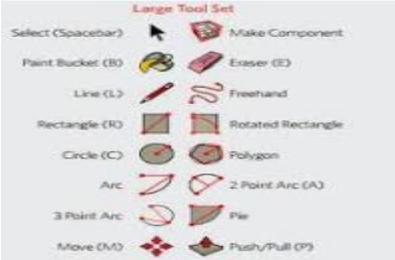
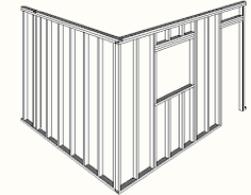


| River Bank Primary Knowledge Organiser | Year 5 | Computing – Autumn 1 | We are architects |
|---|--------|--|-------------------|
| What we will learn | | Websites and links | |
| <p><u>'We are architects'</u></p> <p>In this unit, you will research examples of art gallery architecture, before using Trimble SketchUp to create your own virtual gallery. Finally, you will use the gallery to exhibit your own artwork.</p> <p>In this unit you will:</p> <ul style="list-style-type: none"> • understand the work of architects, designers and engineers working in 3D • develop familiarity with a simple CAD (computer-aided design) tool • develop spatial awareness by exploring and experimenting with a 3D virtual environment • develop greater aesthetic awareness (knowing when art shows great beauty). <p>In using SketchUp, you are creating content for your particular goal – in fact, you're creating a complex system with a number of parts. You will have your outcome in mind, which includes collecting, evaluating and presenting information, on this occasion in the form of virtual spaces and models.</p> <p>The 3D Warehouse in SketchUp is an internet-based service. In selecting content from the 3D Warehouse, you will refine your skills in using a search engine, as well as demonstrating discernment in evaluating digital content. The unit will also provide you with another opportunity to consider how a search engine selects and ranks results.</p> <p>(information from 'Rising Stars Computing')</p> | | <p><u>Useful links</u></p> <p>Trimble SketchUp Make (free software): www.sketchup.com/download</p> <p>Google Earth: http://earth.google.co.uk</p> <p>Padlet: http://padlet.com and Google Drive: http://drive.google.com</p> <p>Screencast-o-matic: www.screencast-o-matic.com (requires Java)</p> <p><u>Online tutorials</u></p> <p>Trimble SketchUp: www.sketchup.com/learn/videos?playlist=58</p> <p><u>Information and ideas</u></p> <p>Student work in SketchUp: http://picasaweb.google.com/gallery/SketchUp/EducationK12</p> <p>SketchUp case studies: http://goo.gl/H17T</p> <p>For an application of virtual reality applied to real art galleries, see www.googleartproject.com</p> <p>The National Gallery virtual tour: www.nationalgallery.org.uk/visiting/virtualtour/#/central-hall</p> <p>Virtual Art Space: www.3dvas.com</p> <p>Contemporary gallery and museum design: www.e-architect.co.uk/art_gallery_buildings.htm</p> | |
|  | | <p><u>Things to try at home</u></p> <p>You could visit an art gallery, either real or virtual, with your parents, and to look at the architecture and how the space is used, as well as the art itself. Why not work through one or more of the SketchUp online tutorials and use the knowledge you have gained in class to create further pieces of art. You could practise using SketchUp to create a virtual model of your home or bedroom.</p> <div style="display: flex; justify-content: space-around;">   </div> | |



| Quiz | A | B | C | D |
|--|--------------------------------------|---------------------------------------|---------------------------------|----------------------------------|
| What is SketchUp? | A computer-aided design tool. | A TV programme about art. | A search engine. | A drawing. |
| What does CAD stand for? | Control additional data. | Complex-aided design. | Computer-aided design. | Consistent-aided design. |
| Where would I find SketchUp? | In my kitchen. | On the internet. | In a book. | In the Art room. |
| What is aesthetic awareness? | Knowing when art shows great beauty. | Knowing when art shows great sadness. | Knowing when art needs a frame. | Knowing when something is happy. |
| This unit will help you collect, evaluate and _____ information. | present | participate | pretend | ponder |