

3D Modelling

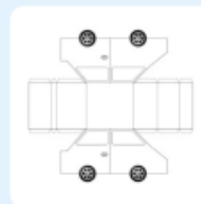
CAD	Computer Aided Design -Using a Computer to help design objects
3D Printing	Making a physical three-dimensional digital model
Net	What a 3D shape would look like if it was opened out and flat
Template	A model for others to copy and edit
2D	Something that only has two dimensions; height and width
3D	Something that has three dimensions; height, width and depth



2D Image



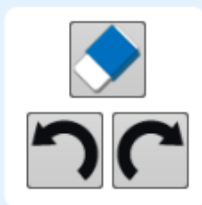
3D Image



Net View



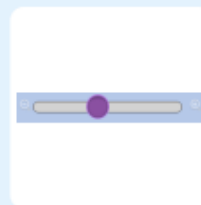
Colour Palette



Clear, Undo and Redo



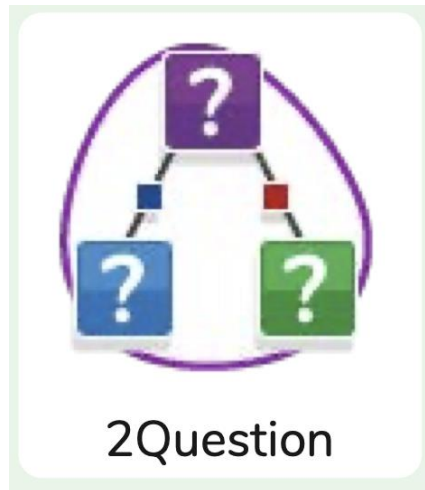
Fill Options



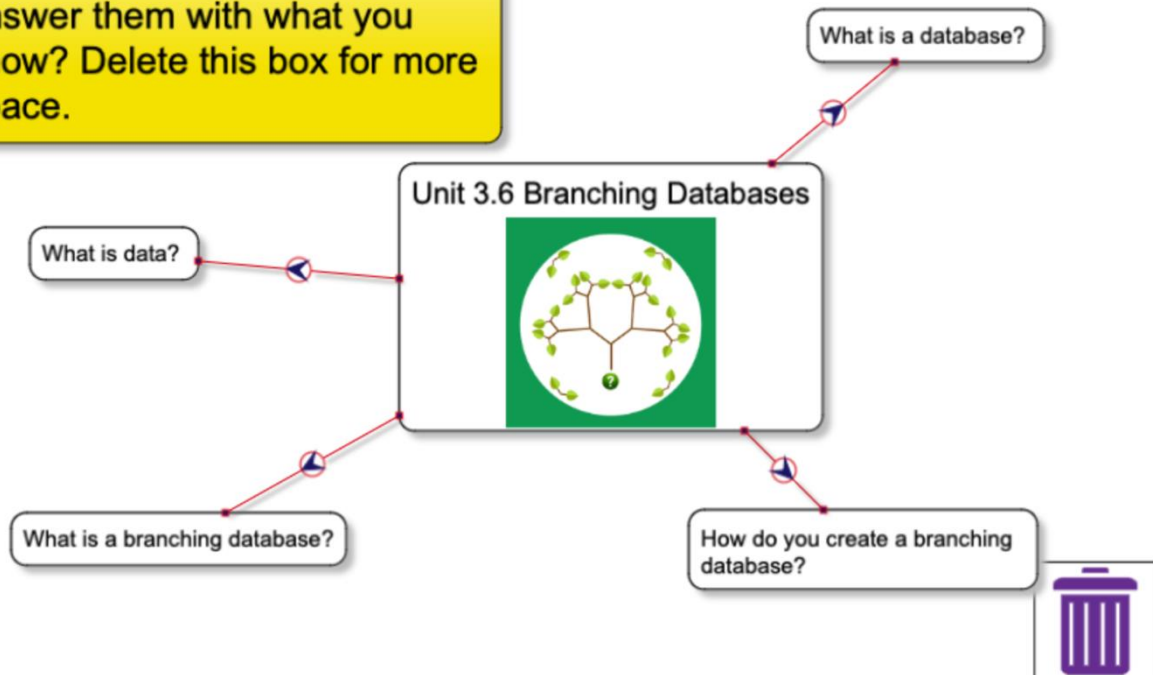
Magnify

Branching databases

Branching database	Used to help classify groups of objects
Binary tree	Another name for a branching database
Database	A collection of data organised in a way that makes it easy so search
Debugging	Process of identifying and removing errors



Here are some questions related to this unit. Can you answer them with what you know? Delete this box for more space.





Microsoft Excel

The screenshot shows the Microsoft Excel interface with a table of attraction data. Annotations include:

- Formula Box:** Points to the formula bar at the top, which contains the formula $=D5*E5$.
- Cell Info:** Points to the selected cell F5, which contains the value £27.84.
- Autosum:** Points to the Autosum button in the ribbon.
- Cell:** Points to the selected cell F5.
- Click and Drag:** Points to the selected cell F5.

	A	B	C	D	E	F
1	Attraction	Location	Travel duration	Distance in miles	Cost per mile	Journey cost
2	Alton Towers Theme Park	Staffordshire	1:47:00	86.1	£0.12	£10.33
3	Harry Potter Studio Tour	Watford	3:38:00	207	£0.12	£24.84
4	National Space Centre	Leicester	2:22:00	130	£0.12	£15.60
5	Buckingham Palace	Westminster	4:00:00	232	£0.12	£27.84
6	Science Museum	London	3:56:00	233	£0.12	£27.96
7	LEGOLAND®	Windsor	3:39:00	218	£0.12	£26.16
8	Edinburgh Zoo	Edinburgh	4:00:00	228	£0.12	£27.36
9	Sea Life	Brighton	4:41:00	283	£0.12	£33.96
10	Splashdown Water Park	Poole	4:34:00	276	£0.12	£33.12
11	Billy Bobs	Yorkshire	1:42:00	77.2	£0.12	£9.26
12	Total					

Creating a Formula

The diagram shows four mathematical symbols with their corresponding operations:

- Add:** Represented by a plus sign (+).
- Subtract:** Represented by a minus sign (-).
- Multiply:** Represented by an asterisk (*).
- Divide:** Represented by a forward slash (/).

Every formula begins with an equal sign

Use the operation symbol you want

$$=b4 * C4$$

Click on the cells you want to include

Coding

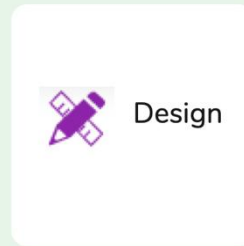
Event	An occurrence that causes a block of code to run.
Nesting	When coding commands are put into other commands
Repeat	Something runs a number of times
Timer	Runs commands after a timed delay or intervals
implement	When design is turned into a program using coding.



Open, close or share a file.



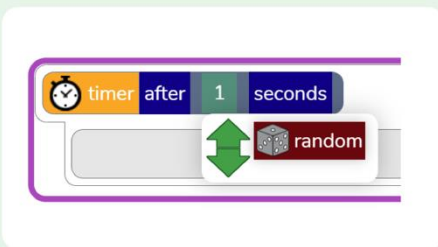
Save your work.



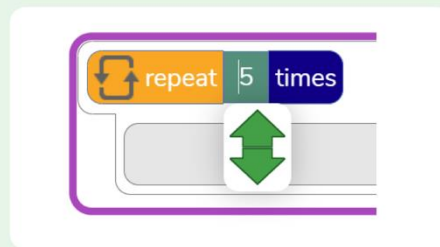
Open design mode in 2Code.



Switch to code mode in 2Code.



A timer code block.



Repeat block.



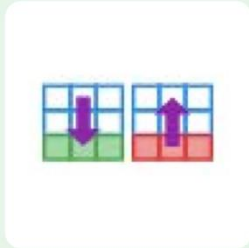

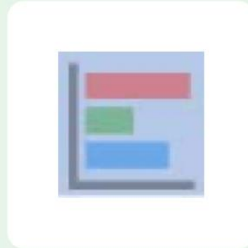






Microsoft Word

Insert image	To put an image into a document
Text Wrap	How a picture is displayed in a document
Crop	To cut the edges of a image/shape
Align	Where pictures/text is displayed in a document
Copy	Duplicating a file or information
Cut	Removing selected information from position
Paste	Move information from somewhere to place elsewhere

Graphing

Data	A collection of information
Chart	A diagram that represents data
X-Axis	The side of the chart going across
Y-Axis	The side of the chart going up

 <p>Chart Title </p>			
<p>Insert the name of the graph here.</p>	<p>Add and remove a row from the table.</p>	<p>Vertical Bar Chart</p>	<p>Horizontal Bar Chart</p>
			
<p>Block Graph</p>	<p>Line Graph</p>	<p>Pie Chart</p>	<p>Data entry table</p>