

Computing Intention Map

Key Stage One



Intention Map 2024 - 2025

Placing learning at the heart of everything we do.



Term One (Paint)

Learning Intentions

Week 1	• <i>Paint with different colours.</i>
Week 2	• <i>Paint with different brushes.</i>
Week 3	• <i>Create shapes and fill areas.</i>
Week 4	• <i>Make changes to improve my work.</i>
Week 5	• <i>Add text to a painting.</i>
Week 6	• <i>Use a computer program to make a poster.</i>

Knowledge Intentions

Week 1	<ul style="list-style-type: none"> • <i>Select a colour.</i> • <i>Paint with the selected colour.</i> • <i>Change to a different colour.</i>
Week 2	<ul style="list-style-type: none"> • <i>Select a brush.</i> • <i>Paint with the selected brush.</i> • <i>Change to a different brush.</i>
Week 3	<ul style="list-style-type: none"> • <i>Use the shape tools to create a shape.</i> • <i>Format the colour of a shape.</i> • <i>Fill an area with a colour.</i>
Week 4	<ul style="list-style-type: none"> • <i>Undo an action.</i> • <i>Undo several actions.</i> • <i>Redo an action that has been undone.</i>
Week 5	<ul style="list-style-type: none"> • <i>Select the text tool.</i> • <i>Write a word or sentence.</i> • <i>Format the colour and font of the text.</i>
Week 6	<ul style="list-style-type: none"> • <i>Use different brushes.</i> • <i>Use different colours.</i> • <i>Use shapes and the fill tool.</i> • <i>Add and format text.</i> • <i>Use undo to correct mistakes.</i>

National Curriculum

Can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation.

Can analyse problems in computational terms and have repeated practical experience of writing computer programs in order to solve such problems.

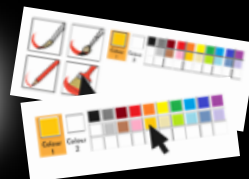
Can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems.

Are responsible, competent, confident and creative users of information and communication technology.

The IT Suite



Software: Microsoft Paint
Hardware: Laptops



Assessment

Create a poster using different brushes, colours, shapes, the fill tool, add and format text and use undo and redo to correct mistakes.



Term Two (Word Processing)

Learning Intentions

Week 1	• <i>Type on a keyboard.</i>
Week 2	• <i>Type symbols and save files.</i>
Week 3	• <i>Edit text.</i>
Week 4	• <i>Use a keyboard.</i>
Week 5	• <i>Select and format text.</i>
Week 6	• <i>Format the font.</i>

Knowledge Intentions

Week 1	<ul style="list-style-type: none"> • <i>Use two hands to type.</i> • <i>Use one space between words.</i> • <i>Keep typing at the end of a line.</i> • <i>Use the shift key for capitals.</i>
Week 2	<ul style="list-style-type: none"> • <i>Type symbols using the shift key, if necessary.</i> • <i>Save files in my folder.</i>
Week 3	<ul style="list-style-type: none"> • <i>Use backspace to remove the character before the cursor.</i> • <i>Use delete to remove the character after the cursor.</i> • <i>Use the arrow keys to move around the text.</i>
Week 4	<ul style="list-style-type: none"> • <i>Use two hands to type.</i> • <i>Use one space between words.</i> • <i>Keep typing at the end of a line.</i> • <i>Use the shift key for capitals.</i> • <i>Use undo and redo.</i>
Week 5	<ul style="list-style-type: none"> • <i>Select a single word.</i> • <i>Select a section of text using the mouse.</i> • <i>Select a section of text using the keyboard.</i> • <i>Use bold, italics and underline.</i>
Week 6	<ul style="list-style-type: none"> • <i>Change the font.</i> • <i>Change the font size.</i> • <i>Change the font colour.</i>

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The IT Suite



Software: Microsoft Word
Hardware: Laptops



Assessment

A piece of text that has been formatted by editing colour, size and shape.



Term Three (Online Safety)

Learning Intentions

Week 1	<ul style="list-style-type: none"> Understand that the information I put online leaves a digital footprint.
Week 2	<ul style="list-style-type: none"> Use keywords in an online search to find key information about a topic.
Week 3	<ul style="list-style-type: none"> Recognise whether a website is appropriate for children.
Week 4	<ul style="list-style-type: none"> Rate and review informative websites.
Week 5	<ul style="list-style-type: none"> Identify kind and unkind behaviour online.
Week 6	<ul style="list-style-type: none"> Apply knowledge of safe and sensible online activities to different situations.

Knowledge Intentions

Week 1	<ul style="list-style-type: none"> Explain what 'digital footprint' means. Explain how people might use the information put online. Explain how a digital footprint contains information about a person.
Week 2	<ul style="list-style-type: none"> Identify which keywords will give me good results. Use a website to search for information.
Week 3	<ul style="list-style-type: none"> Think about how to identify possible dangers or things which might make people uncomfortable online. Identify websites that are suitable for age. Identify when to ask an adult for advice about accessing a website. Know what to do if a website is inappropriate.
Week 4	<ul style="list-style-type: none"> Discuss what people might want to know about a website to decide whether it is useful or not. Explain what I like or dislike about a website. Use clues to decide who a website is aimed at.
Week 5	<ul style="list-style-type: none"> Identify unkind online behaviour. Know what to do if someone is being unkind online.
Week 6	<ul style="list-style-type: none"> Choose a sensible course of action if someone feels uncomfortable online. Explain how to safely search for information online. Choose age-appropriate websites.

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The IT Suite



Software: Internet Explorer or Google Chrome

Hardware: iPads

Assessment

Advise others, through discussion, how to stay safe online.



Term Four (Preparing for Turtle Logo)

Learning Intentions

Week 1	• Give and follow an algorithm to turn right or left.
Week 2	• Give and follow an algorithm to make half and quarter turns.
Week 3	• Give and follow an algorithm using the commands right 90 and left 90.
Week 4	• Give, follow and complete an algorithm.
Week 5	• Use recognised language in an algorithm.
Week 6	• create, test and debug an algorithm.

Knowledge Intentions

Week 1	<ul style="list-style-type: none"> • Give clear accurate instructions that are in order. • Write instructions and check instructions. • Move forward a number of steps. • Turn to the right or left.
Week 2	<ul style="list-style-type: none"> • Give clear accurate instructions that are in order. • Write an algorithm and check an algorithm. • Move forward a number of steps. • Make half and quarter turns.
Week 3	<ul style="list-style-type: none"> • Give clear accurate instructions that are in order. • Write an algorithm and check an algorithm. • Turn right 90 and left 90.
Week 4	<ul style="list-style-type: none"> • Give clear accurate instructions that are in order. • Write an algorithm and check an algorithm. • Give and follow instructions accurately. • Move forward and turn right 90 and left 90.
Week 5	<ul style="list-style-type: none"> • Give clear accurate instructions that are in order. • Write an algorithm and check an algorithm. • Use command abbreviations fd, rt, lt from Turtle Logo.
Week 6	<ul style="list-style-type: none"> • Give clear accurate instructions that are in order. • Write an algorithm and check an algorithm. • Move forward and turn right 90 and left 90. • Use the command abbreviations fd, rt, lt from Turtle Logo.

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The IT Suite

This unit does not use software or hardware.

The children are required to develop an understanding of sequences and methods of 'Debugging' systems.



Assessment

Children can explain what an algorithm, a command and quarter and half turns are.



Term Five (Turtle Logo & Scratch)

Learning Intentions

Week 1	<ul style="list-style-type: none"> Create an algorithm to move or rotate the turtle.
Week 2	<ul style="list-style-type: none"> create an algorithm using the repeat command.
Week 3	<ul style="list-style-type: none"> Create an algorithm that includes movement and sound.
Week 4	<ul style="list-style-type: none"> Create an algorithm and use the repeat and say command.
Week 5	<ul style="list-style-type: none"> Create an algorithm and use the green flag to start.
Week 6	<ul style="list-style-type: none"> Create an algorithm and use the commands to change the backdrop and add sprites.

Knowledge Intentions

Weeks 1 - 2	<ul style="list-style-type: none"> Write commands in the correct order. Write a variable value where required. Correct any mistakes. Use the commands fd, lt, rt to move or rotate the turtle. Use cs to clear the screen. Use repeat.
Week 3	<ul style="list-style-type: none"> Write commands in the correct order. Write a variable value where required. Correct any mistakes. Move a sprite. Add sound.
Week 4	<ul style="list-style-type: none"> Write commands in the correct order. Write a variable value where required. Correct any mistakes. Use the repeat command. Use the say block.
Week 5	<ul style="list-style-type: none"> Write commands in the correct order. Write a variable value where required. Correct any mistakes. Start an algorithm with the green flag or key press. Change the colour of the sprite.
Week 6	<ul style="list-style-type: none"> Write commands in the correct order. Write a variable value where required. Correct any mistakes. Change the backdrop. Add sprites.

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The IT Suite

Software: Turtle Logo & Scratch
Hardware: Laptops

Assessment

Program Penguins to move and hop into the water, then turn invisible or somersault into the water.



Term Six (Using the Internet)



Learning Intentions

Week 1	• Stay safe when using the Internet.
Week 2	• Search for information safely online.
Week 3	• Follow links to another web page.
Week 4	• Use a camera to take safe photos to use online.
Week 5	• Use an online blog safely and respectfully.
Week 6	• Post positive comments and responses on a blog.

Knowledge Intentions

Week 1	<ul style="list-style-type: none"> • Type in an address for a search engine. • Type one word into a search engine and return results. • Find child-friendly search engines. • Avoid using any private or personal information online. • Tell an adult if anything on the Internet is inappropriate.
Week 2	<ul style="list-style-type: none"> • Add the words "for kids" to my search. • Choose sensible words to search for. • Explain that if something online is inappropriate a trusted adult needs to be told.
Week 3	<ul style="list-style-type: none"> • Recognise links on a webpage and click once to follow a link. • Go back to the previous page or pages. • Look at where a link will take me before I click on it. • Tell an adult if something online makes me feel uncomfortable.
Week 4	<ul style="list-style-type: none"> • Choose something to photograph that would be interesting to others. • Use a camera to take a photograph and explain where my photo is saved. • Follow instructions for using the cameras safely. • Take a safe photo of work or a place. • Explain why it is important to think carefully before uploading a photo to the internet.
Week 5	<ul style="list-style-type: none"> • Find a saved photo on the computer. • Upload a picture to an online blog. • Post text to a blog. • Use first names only and keep my personal details private. • Make sure uploaded photos are safe to use and that there is permission.
Week 6	<ul style="list-style-type: none"> • Navigate to a blog. • Log in to make a comment. • Type a positive comment that is relevant to a post. • Answer a question or respond to what somebody else has said. • Recognise inappropriate comments and tell an adult.

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Are responsible, competent, confident and creative users of information and communication technology.

The IT Suite

Software: Internet Explorer, Ghost Blogging
Hardware: Laptops



Assessment

Share a good example of a helpful comment with an appropriate response.