Computing Intention Map

Lower Key Stage Two

Intention Map   2023 - 2024

Placing learning at the heart of everything we do.

Term One
(Drawing & Desktop Publishing)

Drawing and Desktop Publishing

Learning Intentions

Week 1	• Draw with different shapes and lines.
Week 2	• Order and group objects.
Week 3	• Manipulate shapes and lines.
Week 4	• Recognise an effective layout.
Week 5	• Combine text and images.
Week 6	• Lay out objects effectively.

Knowledge Intentions

Week 1	• Choose the appropriate shape or line to draw. • Draw the intended shape or line.
Week 2	• Change the order of objects. • Group or ungroup objects.
Week 3	• Move objects. • Change the length and direction of lines. • Change the shape and size of shapes.
Week 4	• Recognise how text is used well. • Explain how images are used well. • Describe the layout of a document.
Week 5	• Insert text boxes. • Format text boxes. • Insert images. • Format images.
Week 6	• Lay out objects appropriate to the required format. • Lay out objects without leaving unnecessary spaces. • Use font, size and colour appropriately.

Assessment

Create a poster which is laid out effectively using shapes and lines, group objects, use text and images.

The IT Suite

Software: Microsoft Word, Microsoft Paint
Hardware: Laptops

National Curriculum

- Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.
- Use sequence, selection, and repetition in programs, work with variables and various forms of input and output.
- Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.
- Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration.
- Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.
- Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.
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PRIESTLEY SCHOOL

Term Two
(Presentation Skills)

Presentation Skills

Learning Intentions

Week 1	• Plan a branching story.
Week 2	• Create slide templates and organise slides with hyperlinks.
Week 3	• Add theme, transitions and animation to a presentation.
Week 4	• Can use hyperlinks
Week 5	• Insert audio and video
Week 6	• Evaluate slide layout and make improvements.

Assessment

Create a 'branching' story (where there are multiple storyline options)

The IT Suite

Software: Microsoft PowerPoint
Hardware: Laptops, Microphones

Knowledge Intentions

Week 1	• Create a story with different outcomes. organise the different outcomes into different branches.
Week 2	• Create slide templates to match my story. • Copy the slide templates to create all the slides I need for my story. create the hyperlinks required from slide to slide.
Week 3	• Set the presentation theme. • Use slide transitions. • Use animations to introduce objects to a slide.
Week 4	• Create shapes. • Create a hyperlink to another slide.
Week 5	• Insert audio and video files (where possible). • Record audio onto a slide. • Change the audio button. • Find out which audio and video file formats work in the presentation. • Set when the audio or video plays.
Week 6	• Complete slides so as to maintain the design and an effective layout. • Edit as required to maintain the design and an effective layout. • Evaluate how effectively my work meets the requirements.

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Term Three
(Online Safety)

Learning Intentions

Week 1	•	*Know what cyberbullying is and how to address it.*
Week 2	•	*Understand how websites use advertisements to promote products.*
Week 3	•	*Create strong passwords and understand privacy settings.*
Week 4	•	*Safely send and receive emails.*
Week 5	•	*Explore different ways children can communicate online.*
Week 6	•	*Knowledge about online safety to plan a party online.*

Knowledge Intentions

Week 1	• *Recognise cyberbullying.* • *Identify a safe person to tell about cyberbullying.* • *Know that cyberbullying can happen via a range of devices.*
Week 2	• *Identify adverts online.* • *Identify a targeted advert.* • *Explore how companies use websites to promote products.*
Week 3	• *Create a strong password.* • *Explain why a strong password is important.* • *Explain what privacy settings are.*
Week 4	• *Discuss email as a form of communication.* • *Identify an email that I should not open.* • *Write an email with an address and subject.* • *Know how to safely send and receive email.*
Week 5	• *Identify online communities I am a part of.* • *Identify different forms of online communication.* • *Discuss the positive and negative aspects of online communities.* • *Discuss the differences between communication in real life and online.*
Week 6	• *Discuss what I have learnt about online safety.* • *Communicate my ideas with a group clearly and listen to others' contributions.* • *Use what I know about online safety to plan a party using online methods.*

Assessment

Use online Safety skills gained to plan a party online (communicate safely, recognise adverts, message safely).

The IT Suite

Software: Internet Explorer, Google Chrome
Hardware: Laptops or tablets

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Term Four
(Programming Turtle, Logo & Scratch)

Learning Intentions

Week 1	• *Create and debug an algorithm using the move, rotate and repeat commands.*
Week 2	• *Create and debug algorithms using pen up and pen down.*
Week 3	• *Create and debug algorithms that draw regular polygons.*
Week 4	• *Create and debug algorithms to draw shapes.*
Week 5	• *Create and debug algorithms that draw regular polygons.*
Week 6	• *Create and debug algorithms to draw patterns.*

Knowledge Intentions

Week 1	• *Write commands in the correct order.* • *Write a variable value where required.* • *Use the commands fd, bk, lt, rt to move or rotate the turtle.* • *Use cs to clear the screen.* • *Use the repeat command.*
Week 2	• *Write commands in the correct order.* • *Write a variable value where required.* • *Use the pen up and pen down command.*
Week 3	• *Write commands in the correct order.* • *Write a variable value where required.* • *Rotate the turtle angles other than 90°.* *Use calculations as a variable.*
Week 4	• *Use commands in the correct order.* • *Use a variable value where required.* *Use the pen block to draw.*
Week 5	• *Use commands in the correct order and use a variable value where required.* • *Create algorithms that draw regular polygons.*
Week 6	• *Use commands in the correct order and use a variable value where required.* • *Draw patterns and vary the pen size and colour.*

Assessment

Create and de-bug algorithms to draw patterns.

The IT Suite
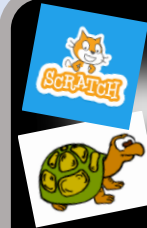
Software: Turtle Logo and Scratch
Hardware: Laptops or tablets

National Curriculum

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Term Five
(Animation)

Learning Intentions

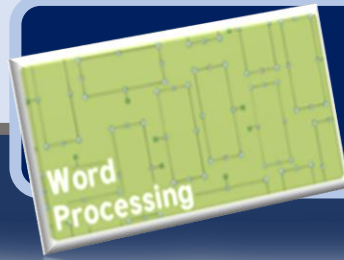| Week 1	• Describe early forms of animation before computers and how computers have made a difference.
Week 2	• Create a short computer animation using one or more moving stick figures.
Week 3	• Create a recorded animation involving a number of moving characters on a background.
Week 4	• Structure specific timing of animations using a time slider.
Week 5	• Use a camera to create a short stop motion animation film.
Week 6	• Analyse and evaluate software.

Knowledge Intentions

Week 1	• Explain what is meant by animation. • Describe early devices used to develop animation techniques. • Explain how simple animation techniques work.
Week 2	• Create a series of linked frames. • Make slight changes to an image, using onion skinning. • Edit and refine still images to improve my animation. • Add a second figure and animate them interacting with each other.
Week 3	• Use animation recording to animate the movement of a character. • Animate the interaction between two characters. • Control the timing of characters' appearance in a recording.
Week 4	• Use the time slider to find a new place in a clip. • Insert a new character at a given place in a clip. • Edit or change objects at different parts of a clip.
Week 5	• Take still images using a webcam or similar digital device. • Import my own suitable photos to create a stop motion animation. • Change the content of a picture by the correct amount between frames. • Order or sequence frames to create the effect of smooth movement.
Week 6	• Comment on the advantages / disadvantages of using a particular piece of software. • Differentiate between different types of animation technique. • Express my opinion about the effectiveness of software.

Assessment

Create a stop motion animation.

The IT Suite

Software: iMotion, Stop Motion, Pivot Animator
Hardware: Laptops or iPads

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Term Six
(Word Processing)

Learning Intentions

Week 1	• *Format images for a purpose.*
Week 2	• *Use formatting tools to create an effective layout.*
Week 3	• *Use the spellcheck tool.*
Week 4	• *Insert and format a table in a word processing document.*
Week 5	• *Change a page layout for a purpose.*
Week 6	• *Create hyperlinks within a word document.*

Assessment

Create an e-voucher including a hyperlink.

The IT Suite

Software: Microsoft Word, Google Chrome & Internet Explorer
Hardware: Laptops

Knowledge Intentions

Week 1	• *Select, edit and manipulate text in different ways.* • *Insert images onto a document.* • *Format images to achieve various effects.*
Week 2	• *Suggest ways to improve a layout.* • *Select, edit and manipulate text in various ways.*
Week 3	• *Some of the main keyboard shortcuts.* • *Find and use the different functions of the spellcheck tool.* • *Add a spelling to the spelling dictionary.*
Week 4	• *Insert a simple table.* • *Add and delete rows and columns.* • *Format the borders of the cells within a table.* • *Suggest ways to change a table.*
Week 5	• *Change the orientation of the page.* • *Change the size of the page.* • *Change the layout by using the column tool.*
Week 6	• *Choose a relevant website to link my document to.* • *Copy the URL that I need.* • *Format my hyperlink and find an appropriate place to insert it.*

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