

Digital Technology Yearly Planner 2024

| | Term 1 | Term 2 | Term 3 | Term 4 |
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| Foundation | <p>Rights and Responsibilities</p> <ul style="list-style-type: none"> • What do we need to do? • How to work together • Computer room rules • Share-enjoy-help-learn <p>Creating Digital Solutions</p> <ul style="list-style-type: none"> • Explore how people safely use common information systems to meet information, communication and recreation needs <p>Self-awareness and management</p> <ul style="list-style-type: none"> • Recognise that problems or challenges are a normal part of life and that there are actions that can be undertaken to manage problems | <p>Digital Systems</p> <ul style="list-style-type: none"> • Identify and explore digital systems (hardware and software components) for a purpose | <p>Data and Information</p> <ul style="list-style-type: none"> • Recognise and explore patterns in data and represent data as pictures, symbols and diagrams • Independently and with others create and organise ideas and information using information systems, and share these with known people in safe online environments <p>Creating Digital Solutions</p> <ul style="list-style-type: none"> • Follow, describe and represent a sequence of steps and decisions needed to solve simple problems | <p>Creating Digital Solutions</p> <ul style="list-style-type: none"> • Follow, describe and represent a sequence of steps and decisions to solve simple problems |
| Year 1 | <p>Rights and Responsibilities</p> <ul style="list-style-type: none"> • What do we need to do? • How to work together • Computer room rules • Share-enjoy-help-learn <p>Creating Digital Solutions</p> <ul style="list-style-type: none"> • Explore how people safely use common information systems to meet information, communication and recreation needs <p>Self-awareness and management</p> <ul style="list-style-type: none"> • Recognise that problems or challenges are a normal part of life and that there are actions that | <p>Digital Systems</p> <ul style="list-style-type: none"> • Identify and explore digital systems (hardware and software components) for a purpose | <p>Data and Information</p> <ul style="list-style-type: none"> • Recognise and explore patterns in data and represent data as pictures, symbols and diagrams • Independently and with others create and organise ideas and information using information systems, and share these with known people in safe online environments <p>Creating Digital Solutions</p> <ul style="list-style-type: none"> • Follow, describe and represent a sequence of steps and decisions (algorithms) needed to solve simple problems | <p>Creating Digital Solutions</p> <ul style="list-style-type: none"> • Follow, describe and represent a sequence of steps and decisions to solve simple problems |

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| | can be undertaken to manage problems | | | |
| Year 2 | <p>Rights and Responsibilities</p> <ul style="list-style-type: none"> • What do we need to do? • How to work together • Computer room rules. • Share-enjoy-help-learn <p>Creating Digital Solutions</p> <ul style="list-style-type: none"> • Explore how people safely use common information systems to meet information, communication and recreation needs <p>Self-awareness and management</p> <ul style="list-style-type: none"> • Recognise that problems or challenges are a normal part of life and that there are actions that can be undertaken to manage problems | <p>Digital Systems</p> <ul style="list-style-type: none"> • Identify and explore digital systems (hardware and software components) for a purpose | <p>Data and Information</p> <ul style="list-style-type: none"> • Recognise and explore patterns in data and represent data as pictures, symbols and diagrams • Independently and with others create and organise ideas and information using information systems, and share these with known people in safe online environments <p>Creating Digital Solutions</p> <ul style="list-style-type: none"> • Follow, describe and represent a sequence of steps and decisions (algorithms) needed to solve simple problems | <p>Creating Digital Solutions</p> <ul style="list-style-type: none"> • Follow, describe and represent a sequence of steps and decisions to solve simple problems |
| Year 3/4 | <p>Data and Information</p> <ul style="list-style-type: none"> • Individually and with others, plan, create and communicate ideas and information safely, applying agreed ethical and social protocols <p>Creating Digital Solutions</p> <ul style="list-style-type: none"> • Explain how student-developed solutions and existing information systems meet common, personal, school or community needs | <p>Data and Information</p> <ul style="list-style-type: none"> • Recognise different types of data and explore how the same data can be represented in different ways • Collect, access and present different types of data using simple software to create information and solve problems | <p>Data and Information</p> <ul style="list-style-type: none"> • Individually and with others, plan, create and communicate ideas and information safely, applying agreed ethical and social protocols <p>Creating Digital Solutions</p> <ul style="list-style-type: none"> • Define simple problems, and describe and follow a sequence of steps and decisions involving branching and user input (algorithms) needed to solve them | <p>Digital Systems</p> <ul style="list-style-type: none"> • Explore a range of digital systems with peripheral devices for different purposes, and transmit different types of data |
| Year 5/6 | <p>Data and information</p> <ul style="list-style-type: none"> • Plan, create and communicate ideas, information and online collaborative projects, applying agreed ethical, social and technical protocols <p>Creating Digital Solutions</p> <ul style="list-style-type: none"> • Explain how student-developed solutions and existing information systems meet current and future | <p>Data and Information</p> <ul style="list-style-type: none"> • Examine how whole numbers are used as the basis for representing all types of data in digital systems • Acquire, store and validate different types of data and use a range of software to interpret and visualise data to create information | <p>Data and information</p> <ul style="list-style-type: none"> • Plan, create and communicate ideas, information and online collaborative projects, applying agreed ethical, social and technical protocols <p>Creating Digital Solutions</p> <ul style="list-style-type: none"> • Define problems in terms of data and functional requirements, drawing on previously solved | <p>Digital Systems</p> <ul style="list-style-type: none"> • Examine the main components of common digital systems, and how such digital systems may connect together to form networks to transmit data |

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| | community and sustainability needs | | problems to identify similarities <ul style="list-style-type: none">● Design, modify and follow simple algorithms represented diagrammatically and in English, involving sequences of steps, branching, and iteration● Develop digital solutions as simple visual programs | |
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