



Information technology

Computer Science

Digital literacy

YR

I can type my name in word

I can make choices about the buttons and icons I press, touch or click on

I can log on and off our school computers correctly

I can tell you about different kinds of information such as pictures, videos, text and sound and can record sound

I can make a floor robot move

I understand that I should tell an adult when something worrying or unexpected happens while I am using the Internet and can be careful and respectful with technology

I can take photographs/videos on a camera or other digital device

I can use simple software to make something happen

I can use a safe part of the Internet to play and learn and can open the Melling website to locate my class page

Y1

I can create simple work in Word

I understand that an **algorithm** is a set of step by step instructions and can give instructions to my friend and follow their instructions to move around

I can open the Melling website, find our class page and find my way to a range of websites in the Web Watch section.

I can save my work created on a computer

I can log on and off our school laptops and Chromebooks correctly

I can find where I have saved my work and open it again

I understand that I should tell an adult when something worrying or unexpected happens while I am using the Internet and can talk about why it's important to be kind, careful and respectful on the internet

I can record and use sound clips

I know that programmes are made up of a **sequence** of codes

I know that information online can be seen by others

I can take photographs/videos on a camera or other digital device

I can use instructions (algorithms) to control devices or objects on screen and can begin to predict what will happen for a short sequence of instructions

I can talk about the amount of time I spend using a computer/tablet/game device

I can tell you about different kinds of information such as pictures, videos, text and sound

I can add information to a pictograph and talk about

I can find problems with instructions on

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| | what I have found out | and off screen | |
| | | I understand that the word debug means to find and fix mistakes in a computer program | |
| Y2 | I can type work in Word, changing the font size and style | I can use algorithms to control devices or objects on screen | I can get online and visit a range of websites using a variety of routes (not only via the Melling website) |
| | I can save my work created on a computer, find where I have saved it, open and make changes to it and re-save. | I can give precise instructions in a sensible order to make something happen on and off screen and know that this is an algorithm | I can log on and off our school computers correctly |
| | I can use a range of technology to collect information, including a camera and sound recorder | | I can describe the things that happen online that I should tell an adult about |
| | I can make and save a chart or graph using data | I can write a program using instructions for a robot or software and know that this is coding | I can use the internet to find out information |
| | I can create presentations for a specific audience | | I know that not everyone is who they say they are on the internet |
| | I can publish and share work online | | I can look at a simple program or code and predict what will happen |
| I can find a problem in a set of instructions, on and off screen, suggest how to solve the problem and know that this is called debugging | | | I can explain why I need to keep my passwords and personal information safe |
| Y3 | I can create work on a computer, save my work, find where I have saved it, open and make changes to it and re-save | I can use algorithms to achieve a specific goal | I can use the internet safely to find answers to a question |
| | I can create and present information using | I can describe the algorithm I will need | I can log on and off our school computers |

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| | programs | for a simple task | correctly |
| | I can use a range of technology to collect, edit and share information, including a camera and sound recorder | I can write a program using instructions and know that this is coding | I can use search engines on the internet to find out information |
| | I can create pictograms, bar charts and tables on the computer | I can put programming commands into a sequence to achieve a specific outcome | I know how people are connected across the world |
| | I can create presentations for a specific audience | I can use a repeat and loop command in a code | I can communicate and share ideas online |
| | I can publish and share work online for a given audience | I can find a problem in an algorithm, suggest how to solve the problem and know that this is called debugging | I can use passwords to access resources on the web and keep them safe and can talk about what makes a secure password and why they are important |
| | | I can test my own program and recognise when I need to debug it | I know what to do if I come across inappropriate content and can recognise websites and games appropriate for my age |
| | | | I know that I should ask an adult before downloading files and games from the internet |
| Y4 | I can create work on a computer, save my work, find where I have saved it, open and make changes to it and re-save | I can use algorithms to achieve a specific goal | I can use the internet safely to search for information and decide if it is useful |
| | I can create and present information using programs | I can write a program using instructions and know that this is coding | I can log on and off our school computers correctly |
| | I can use a keyboard confidently and use a spellchecker to check over my work | | I can use search engines efficiently and understand that the results can change depending on words used |
| | I can publish and share work online | I recognise that an algorithm will help | I know how people are connected across the |

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| | | me to sequence more complex programs | world |
| | I can create short animations, images and films for a specific audience | | I can communicate and share ideas online |
| | I can create presentations for a specific audience | I understand how inputs can be used in coding to control outputs | I can talk about what makes a secure password and why they are important |
| | I am beginning to consider how reliable information that I find on the internet is | I know that variables can change programs | I know what to do if I come across inappropriate content |
| | I can evaluate the effectiveness of my work created on a computer | I know that I need to keep testing my program while I am putting it together (creating it) | I can recognise websites and games appropriate for my age I can communicate in different ways depending on the audience |
| | | I can find a problem or error in an algorithm and debug it to solve the problem | I know that personal information is stored online |
| Y5 | I can create work on a computer, save my work, find where I have saved it, open and make changes to it and re-save | I can use algorithms to achieve a specific goal | I can use the internet safely to search for information and decide if it is useful |
| | I can create presentations suited to an audience | I can write a program using instructions and know that this is coding | I can log on and off our school computers correctly |
| | I can use a keyboard confidently and use a spellchecker to check over my work | | I can search for information and decide if it is useful |
| | I can publish and share work online | I understand the algorithm behind each part of a code | I understand how search results are selected |
| | I can create, edit and evaluate digital images | | I can communicate and share ideas online |
| | I can compose and make changes to sounds and music in a program | I understand how inputs can be used in coding to control outputs | I can use technology safely, respectfully and responsibly |
| | I can create graphs to show information and present them in a variety of ways | | I know that it is important to keep information safe online |

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| | I can use different online communication tools for different purposes | I know that I need to keep testing my program while I am putting it together (creating and evaluating it) | I know how to prevent and respond to cyber bullying |
| | I consider how reliable information that I find on the internet is | I can find a problem or error in an algorithm and debug it to solve the problem | I know that information I put online reflects my image |
| | I can evaluate the effectiveness of my work created on a computer | I can solve problems by decomposing code into smaller parts | I know that personal information is stored online |
| Y6 | I can create work on a computer, save my work, find where I have saved it, open and make changes to it and re-save | I can use algorithms to achieve a specific goal | I can use the internet safely to search for information and decide if it is useful |
| | I can use a keyboard confidently and use a spellchecker to check over my work | I can write a program using instructions and know that this is coding | I can log on and off our school computers correctly |
| | I can publish and share a variety of work online | | I can use search technologies effectively |
| | I can select the most effective tool to collect data for an investigation | I understand the algorithm behind each part of a code and can explain how algorithms work | I understand how search results are selected |
| | I can present the data I collect in an appropriate way to a specific audience | | I can communicate and share ideas online |
| | I can combine a range of media, recognising the contribution of each to achieve a particular outcome | I can write and design programmes | I can use technology safely, respectfully and responsibly |
| | I can check the reliability of a website | I know that I need to keep testing my program while I am putting it together (creating it) | I know that it is important to keep information safe online |
| | I can describe the different parts of a webpage | | I know how to prevent and respond to cyber bullying |
| | I can talk about the way search results are selected and ranked | I can debug programmes | I know that information I put online reflects my image |
| | I can evaluate the effectiveness of my work created on a computer as well as the work of others | I can work with conditional commands and variables within a code | I create positive profiles online to be a responsible member of the community |

