technologies in and out of schooland output means out of schoolcomputer is and that it is made of differentdifferent components of a om a keyboardkey components of a network -I understand that• I know about input and outputs of devices• I can locate the keys on a keyboarddifferent componentscomputer are and how they workunderstand that images and videos are files that can be photos I have taken• I am learning that technology is doingtogetherTogetherCoding	are:Hardware:I know that externalI know that
technologies in and out of schooland output meanscomputer is and that it is made of differentdifferentkey components of a network -I• I know about input and outputs of devices• I can locate the keys on a keyboardon a keyboarddifferent componentscomputer are and how they workunderstand that• I can use a device to make changes to photos I have taken• I am learning that technology is doingtogetherare files that can be shared from oneCoding	I know that external   I know that
• I can use logical reasoning to understand simple instructions and predict the outcomecreatedvia its outputwired and wireless networksanother• I know how QR understand simple instructions and predict the outcome• I know how QR codes work• I use greater control when taking photos and videos• I can recognise links between networks and videos• I can recognise links between networkscomputer networks provide multiple• I can solve unplugged problems using decomposition (breaking down a complex problem or system into smaller• I can articulate what decomposition means (breaking down a complex problem or system into smaller• I can articulate what decomposition means (breaking down a complex problem or system into smaller• I can decompose (breaking down a complex problem or system into smaller• I can solve unplugged problems using decomposition means (breaking down a complex problem or system into smaller• I can articulate what decomposition means (breaking down a complex problem or means (breaking down a complex problem or means (breaking down a• I can decompose (breaking down a classroom.• I can solve and collaboration, elassroom.	devices can be programmed by a separate computer : I can decompose a program into an algorithm I can use our experience to solve new problems I can write increasingly complex algorithms for a purpose I can use selection to produce an intended outcome. I can test and debug my project.

Information Technology	Using Software:	Using Software:	Using Software:	Using Software:	Using Software:	Using Software:	Using Software:
Information Technology	Using Software: • I know about digital storage of information- photography, digital writing and research information	<ul> <li>Using Software: <ul> <li>I can use basic tools to edit graphics</li> <li>I can create digital art</li> <li>I can control a mouse by dragging, clicking and resizing elements</li> <li>I have an understanding of a range of different software programmes / apps</li> </ul> </li> <li>Email &amp; The Internet: <ul> <li>I can search and download images from the internet safely</li> </ul> </li> <li>Using Data: <ul> <li>I can put data into tables charts and pictograms</li> <li>I can say why digital content can be better than using paper when storing or manipulating</li> </ul> </li> <li>Wider Use: <ul> <li>I recognise the common uses of IT, including beyond school</li> <li>I recognise the use of technology beyond school</li> </ul> </li> </ul>	<ul> <li>Using Software: <ul> <li>I am developing my word processing skills; I can alter, copy and paste text</li> <li>I can use software / apps to create digital art</li> <li>I can take and edit photographs</li> <li>I can use software for digital storytelling</li> <li>I can use a computer to experiment with pitch</li> <li>I can add a sequence of notes to my rhythm</li> </ul> </li> <li>Email &amp; The Internet: <ul> <li>I can log in and out of drive accounts</li> <li>I can discuss the positive and negative aspects of communication online.</li> </ul> </li> <li>Using Data: <ul> <li>I can use technology to interpret data</li> </ul> </li> </ul>	<ul> <li>Using Software: <ul> <li>I can take</li> <li>photographs, find,</li> <li>create and upload</li> <li>images to tell a</li> <li>story</li> <li>I can use software /</li> <li>apps to edit and</li> <li>enhance our videos,</li> <li>adding music,</li> <li>sounds and text</li> </ul> </li> <li>I can use software /</li> <li>apps to create</li> <li>digital art using</li> <li>layering</li> </ul> Email & The Internet: <ul> <li>I can log in and out</li> <li>of drive accounts</li> <li>I can discuss the</li> <li>positive and</li> <li>negative aspects of</li> <li>communication</li> <li>online.</li> </ul> Using Data: <ul> <li>I understand the</li> <li>vocabulary</li> <li>associated with</li> <li>databases (field,</li> <li>record, data)</li> <li>I know the pros and</li> <li>cons of digital</li> <li>versus paper</li> <li>I can create and</li> <li>interpret charts and</li> <li>graphs</li> </ul> Wider Use: <ul> <li>I understand the</li> <li>purpose of emails</li> </ul>	<ul> <li>Using Software: <ul> <li>I can use software and apps to create documents, presentations, forms and spreadsheets</li> <li>I can work collaboratively with others</li> <li>I can use software / apps to create audio, video, including text and animation</li> </ul> </li> <li>Email &amp; The Internet: <ul> <li>I can log in and out of drive accounts</li> <li>I can discuss the positive and negative aspects of communication online.</li> </ul> </li> <li>Using Data: <ul> <li>I can design a and plan how to collect data using a data logger (e.g. a weather station)</li> </ul> </li> <li>Wider Use: <ul> <li>I know that software and apps can be used collaboratively online to work as a team.</li> </ul> </li> </ul>	<ul> <li>Using Software: <ul> <li>I can use software / apps to create video presentation</li> <li>I can identify ways to improve and edit our final products</li> <li>I can use a vector drawing program to recreate an image.</li> </ul> </li> <li>Email &amp; The Internet: <ul> <li>I have developed our searching skills so that I can find relevant information on the internet I use search engines effectively, focussing on keywords and search returns safely</li> </ul> </li> <li>Using Data: <ul> <li>I can ask questions that will need more than one field to answer.</li> </ul> </li> <li>Wider Use: <ul> <li>I know that software and apps can be used collaboratively online to work as a team.</li> </ul> </li> </ul>	<ul> <li>Using Software: <ul> <li>I can use search and word processing skills to create presentations</li> <li>I can add content to my webpage and evaluate it.</li> <li>I can create and edit sound recordings for a specific purpose</li> <li>I can create and edit videos, adding multiple elements such as sound, a voiceover, text etc.</li> <li>I can use 3D design software to design a product I can create a website with embedded links and multiple pages</li> </ul> </li> <li>Email &amp; The Internet: <ul> <li>I understand how search engines work</li> </ul> </li> <li>Using Data: <ul> <li>I can create formulas and sorting within a spreadsheet.</li> </ul> </li> <li>Wider Use: <ul> <li>I know that software and apps can be used collaboratively online to work as a team.</li> </ul> </li> </ul>
Digital Literacy	Online safety	Online safety	world Online safety	Online safety	Online safety	Online safety	Online safety
	<ul> <li>I can use technology to express creatively and constructively</li> <li>I can talk about what it mean to stay safe online</li> </ul>	<ul> <li>I can explain what each letter of SMART stands for.</li> <li>I understand the importance of a password -I can log in and out of our own accounts</li> <li>I know what I do if I see something on the internet that I shouldn't be seeing</li> </ul>	<ul> <li>I understand how to stay safe when talking to people online</li> <li>I know that I shouldn't share personal information online</li> <li>I understand what a digital footprint is.</li> <li>I know what to do if I see anything that makes us feel</li> </ul>	<ul> <li>I understand our role as digital citizens and our responsibility to treat other respectfully</li> <li>I know about 'Cyber Bullying'</li> <li>I know that not all emails are genuine and are learning to recognise when an email might be fake</li> </ul>	<ul> <li>I understand our role as digital citizens and our responsibility to treat other respectfully</li> <li>I recognise what appropriate behaviour is when collaborating with others online</li> </ul>	<ul> <li>I understand our role as digital citizens and our responsibility to treat other respectfully</li> <li>I can identify possible dangers online and know how to stay safe</li> </ul>	<ul> <li>I understand our role as digital citizens and our responsibility to treat other respectfully</li> <li>I understand the importance of secure passwords and how to create them</li> </ul>

	uncomfortable or upset	and what to do about it	<ul> <li>I recognise that information on the internet might not be correct and that some sources are more trustworthy than others</li> </ul>	<ul> <li>I can create an animation about digital safety</li> <li>I know that information on the internet might not be true or correct and I can check validity</li> <li>I am learning how to use an online safety community</li> </ul>	<ul> <li>I can use search engines safely and effectively</li> <li>I recognise that updated software can help to prevent data corruption and hacking</li> </ul>
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