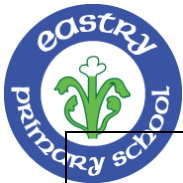


EASTRY C OF E PRIMARY SCHOOL KNOWLEDGE ORGANISERS



YEAR GROUP	2		
SUBJECT	Computing		
KEY VOCABULARY	<p>Algorithm debug action button nesting (write a command inside something else) design program code</p>	<p>lock cell row column copy paste Spreadsheet pictogram avatar data equals database collate share template digitally, soundtrack sound effects animated, node,</p>	<p>Internet, search, search engine</p>
<p>END POINTS KNOWLEDGE</p> <p>STRAND Computer science Information technology Digital literacy</p>	<p>I know what an algorithm is. I know how to create a computer program using an algorithm. I know how to create a program using a given design. I understand that algorithms follow a sequence. I design an algorithm that follows a timed sequence. I understand what different events do in code. I understand and debug simple programs. I know how to use a program to create, organise, store, manipulate & retrieve digital content. I know how to use the 2Calculate to image, lock, move cell, speak and count tools to make a counting machine on a spreadsheet. I know how to use the totalling tools. I know how to use a spreadsheet for money calculations. I know how to use 2Calculate to collect data and produce a graph. (linked to topic – our favourite fruit) I know that data handling tools can give more information than pictograms. I know how to use yes/no questions to separate information. I know how to use 2Question (a binary tree database) to answer questions. I know how to use the Search tool to find information I am beginning to understand the terminology associated with searching. I have a better understanding of searching on the Internet. I know how to create a leaflet to help someone search for information on the Internet. I know the functions of the 2Paint a Picture tool. I know how to recreate Pointillist art and look at the work of pointillist artists such as Seurat. I know how to explore surrealism and eCollage.</p>		



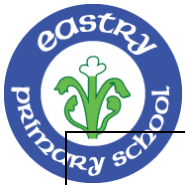
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I know how to make music digitally using 2Sequence.
I know how to explore, edit and combine sounds using 2Sequence.
I know how to upload a sound from a bank of sounds into the Sounds section.
I know how to record and upload environmental sounds into Purple Mash.
I know how yo use these sounds to create tunes in 2Sequence.
I know how to explore how a story can be presented in different ways.
I know how to make a quiz about a story or class topic.
I know how to make a presentation to the class.

E-safety

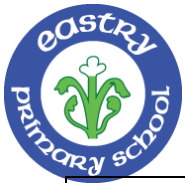
I know how other people's identity online can be different to their identity in real life.
I know ways in which people might make themselves look different online.
I know examples of issues online that might make me feel sad, worried, uncomfortable or frightened; I can give examples of how I might get help.
I know the internet can be used to communicate with people I don't know well (e.g. email a penpal in another school/ country).
I know examples of how I might use technology to communicate with others I don't know well.
I know how information put online about me can last for a long time.
I know who to talk if I think someone has made a mistake about putting something online.
I am able to give examples of bullying behaviour and how it could look online.
I understand how bullying can make someone feel
I can talk about how someone can/would get help about being bullied online or offline.
I am beginning to know how to use keywords in search engines.
I know how to navigate a simple webpage to get to information I need (e.g. home, forward, back buttons; links, tabs and sections).
I know what voice activated searching is and how it might be used (e.g. Alexa, Google Now, Siri).
I know the difference between things that are imaginary, 'made up' or 'make believe' and things that are 'true' or 'real'.
I can describe and explain some rules for keeping my information private.
I know what passwords are and can use passwords for my accounts and devices
I know how many devices in my home could be connected to the internet and can list some of those devices.



EASTRY C OF E PRIMARY SCHOOL KNOWLEDGE ORGANISERS



	<p>I know that content on the internet may belong to other people.</p>
IT HELPS IF I ALREADY KNOW	<p>I know how to log in safely.</p> <p>I know how to find saved work on Purple Mash.</p> <p>I know how to search.</p> <p>I can recognise some familiar icons and types of resources.</p> <p>I am beginning to add pictures and texts to work.</p> <p>I am beginning to explore the tools and games section</p> <p>I know how to open, save and print.</p> <p>I know why it is important to log out.</p> <p>I know how to sort items using a range of criteria.</p> <p>I know that data can be represented in a picture format.</p> <p>I know how to create a pictogram to record the results of an experiment, as well as take part in a class pictogram.</p> <p>I know how to compare the effects of adhering strictly to instructions to completing tasks without complete instructions.</p> <p>I can follow and create simple instructions on the computer and can consider how the order of instructions affects the result.</p> <p>I understand the functionality of the direction keys and can use them as part of an algorithm.</p> <p>I know how to create and debug a set of instructions (algorithm)</p> <p>I know how to change, extend and create a longer algorithm.</p> <p>I can set challenges for peers.</p> <p>I know what an e-book is.</p> <p>I know how to add animation and sound to a story.</p> <p>I can work on a more complex animated story.</p> <p>I can share my e-book with the class.</p> <p>I know what instructions are and predict what might happen when they are followed.</p>



EASTRY C OF E PRIMARY SCHOOL KNOWLEDGE ORGANISERS



I know how to use code to make a computer program.

I know what object, actions, an event, backgrounds and objects are.

I know how to use an event to control an object.

I am beginning to know how code executes when a program is run.

I can plan and make a computer program.

I know what a spreadsheet program looks like.

I know how to enter data into spreadsheet cells.

I can use image and control tools on 2Calculate.

I know where some technology is used in the local area and can record my findings.

E-Safety

I know that there may be people online who could make me feel sad, embarrassed or upset

I know when and how to speak to an adult I can trust if something happens that makes me feel sad, worried, uncomfortable or frightened.

I know how to use the internet with adult support to communicate with people I know.

I know that information can stay online and could be copied.

I know how to behave online in ways that do not upset others and can give examples.

I know how to get help from a trusted adult or helpline if I find content that makes me feel sad, uncomfortable worried or frightened.

I know why I should always ask a trusted adult before I share any information about myself online.