River Bank Primary Knowledge Organiser	Year 1	Autumn 2 - Computing	We are painters

Overview and facts:	Useful websites/links and app suggestions to support your child at home:

Overview and facts:

'We are painters'
We will be learning to
-use technology to create, store and retrieve digital content.
-recognise common uses of Information Technology beyond school.
-use technology safely and sensibly.

This unit will appeal particularly to children who love to look at the illustrations in the books they read. It is a great opportunity for the children to work creatively.

The learning will be broken into two key areas:

Programming
• A set of instructions or rules programmed into a computer is known as an algorithm and your child may be encouraged to use this term when programming.
• In addition to this, the term debug might be used when a programming mistake has been identified and is being corrected.

Data
• Your child will learn where and how to save their work in order to retrieve it again. Typing skills will also be taught to increase speed and accuracy.
• Children will learn to refer to information as data. They may learn about the different ways in which technology can help us to present our information, including pictograms (data represented as individual pictures instead of blocks) and block graphs.

Useful websites/links and app suggestions to support your child at home:

http://www.thebarefootnomad.com/tech-2/five-best-ipad-drawing-apps-for-kids/
https://www.youtube.com/watch?v=QVnraSbjhT4
https://play.google.com/store/apps/details?id=virtualgs.kidspaint&hl=en_GB
Brushes is a free app for iOS:
https://itunes.apple.com/gb/app/brushes-3/id545366251?mt=8.
SketchBook Express is also a free app, available for iOS and Android:
https://itunes.apple.com/gb/app/sketchbook-express-foripad/id410871280?mt=8
and
https://play.google.com/store/apps/details?id=com.adsk.sketchbookhdexpress&hl=en.

Why not try this at home:

Why not use a paint program to make a picture for a book you have been reading, or even some poetry you have written?
A paint program could be used to illustrate the work children are doing at school. For example, in science they could create a picture of a flower and add text labels to the different parts.

E-safety:

We teach the children to be SMART online:
S – Stay Safe: Don't give out your personal information to people/places you don't know.
M – Don't Meet Up: Meeting someone you have only been in touch with online can be dangerous. Always check with an adult you trust.
A – Accepting Files: Accepting emails, files, pictures or texts from people you don't know can cause problems.
R – Reliable? Check information before you believe it. Is the person or website telling the truth?
T – Tell Someone: Tell an adult if someone or something makes you feel worried or uncomfortable.

Quiz	A	B	C
A set of instructions for a computer is called…?	an algorithm	a data cable	a server
In computing, the term 'debug' means…?	to sweep spiders from a room	to remove mistakes from a programme	to create a new software programme
Who should you tell if you find something online that you do not like?	Don't tell anyone	An adult	A friend
What programme could I use to make a picture on a computer?	Word	Paint	Excel
In computing what is another word for information?	Data	Hard drive	Website
Who should you give your address to online?	Anyone who asks	Someone who has emailed you	No one