Computing

Teaching and Learning

The use of technology is a key factor during our remote learning, therefore it is extremely important that we continue to teach Computing skills to all year groups in order to encourage them to develop and practise their skills. All children in KS1 and KS2 will receive one hour of Computing per week, with lessons consisting of both previous and new learning. Below is a list of the different units being covered in each class.

Units of Work being Studied

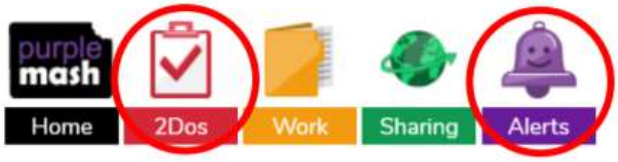
Y1	We are Story Tellers
Y2	Microsoft PowerPoint and Coding
Y3	Internet Safety and Coding
Y4	Internet Safety and PowerPoint Presentations
Y5	Internet Safety and Microsoft PowerPoint
Y6	Using Excel and Word

Although these are the planned units, children will be continuing to develop many of their computing skills, simply through using their own devices at home, as well as through the use of some of the online programs used to set and complete work. Children will be encouraged to manage their devices independently as much as possible. This includes things like turning on and off their device, logging-in independently and saving their own work. This will allow them to further develop their skills and thus make them competent with technology.

Purple Mash

A program which we have recently bought into and are using widely across school is Purple Mash. This is a creative online space aimed at primary school teachers and pupils, which aims to inspire creative learning both at school and at home. All pupils have individual log-in details for Purple Mash and are able to access the different resources on there.

The main thing children need to look out for on Purple Mash is if they have any **'2dos'** set by their teachers. These will appear at the top of the page as soon as they have logged in. Once completed, children must 'hand in' (submit) their work allowing teachers to then have a look and make any necessary comments.



Please click on the links below for further information and guidance:

Welcome letter
https://static.purplemash.com/mashcontent/applications/files/info/welcome_letter_to_purplemash/Letter%20version%20final%20.pdf

Guide for parents
https://static.purplemash.com/mashcontent/applications/code/docs/parent_2Dosguide/2Dos%20-%20Parent%20Guide2.pdf

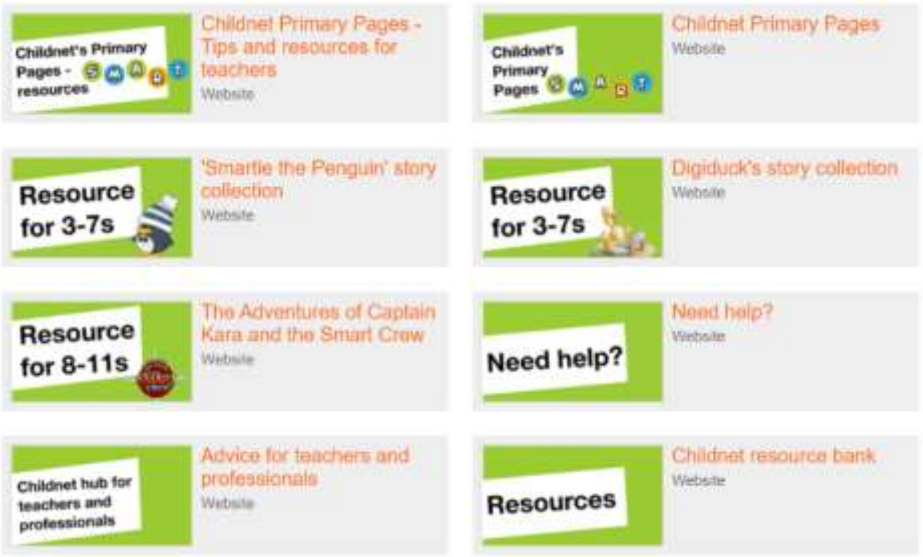
Video for parents
https://2simple.com/purple-mash/purple-mash-parents/

Websites

- **Purple Mash** - Can be used to support the teaching of Computing. This can also be used to set activities and games for the children to complete in other subjects. https://www.purplemash.com/login/
- **Dance-mat Typing skills -** This is a great opportunity for children to improve their typing skills. There are a couple of options you can try: https://www.bbc.co.uk/bitesize/topics/zf2f9j6/articles/z3c6tfr https://www.dancemattypingguide.com/dance-mat-typing-level-1/
- **Code Club -** Self-led coding projects using Scratch or HTML/CSS projects for KS2. https://codeclub.org/en/
    - Learn to code and more with **Rapberry Pi** (Parents' guides and support here too!) https://www.raspberrypi.org/
- **Scratch** – Children can watch the tutorials and practise their skills. They can set up their own accounts with parental permission. For KS1 we recommend Scratch Junior which is a free app on iPads and tablets (but not PC's yet). You can view these free tutorials and activities to get you started. sip.scratch.mit.edu
- **Barefoot Computing** - Learning Together activities are fun and engaging exercises for parents to do at home with their children. barefootcomputing.org
- **Computing Crash Course** helloworld.cc/crash
- **Khana Academy** – Resources and support for Computing topics khanacademy.org
- Home teaching ncce.io/hometeach

Online Safety

- **ThinkuKnow** - https://www.thinkuknow.co.uk/ a great website to work through age appropriate online safety activities with your children with *Home Activity packs* and parents' guides updated fortnightly.
- **BBC Own It!** - https://www.bbc.com/ownit Useful advice and games for upper KS2 children.
- **Childnet** https://www.childnet.com/resources/be-smart-online - Lots of resources for teaching children about staying safe online. Here is an example of what is included:



During remote learning, children will be spending a lot of time online. It is therefore very important that we remind children to be SMART online. Many children will be familiar with this image from their learning in school.

<u>Rules to give children for online safety</u>

* Never give out your address to anyone.
* Never give out your phone number.
* Tell your parents your passwords but NO ONE else.
* Never arrange to meet anyone you have met online.

* Never put pictures online without checking with a parent that they are suitable.
* Do not respond to any messages that are rude or make you feel uncomfortable. ALWAYS tell an adult if this happens.

* Never open up or reply to an email from someone you don't know, always ask and adult first.

Please take care when working online and seek further advice from school if you are worried or concerned about anything.

Please see below for some additional guidance on Online Safety:

Gaming
file:///C:/Users/lucy.hanson/Downloads/a328920732c031f26d07aa656f1b23eb.pdf

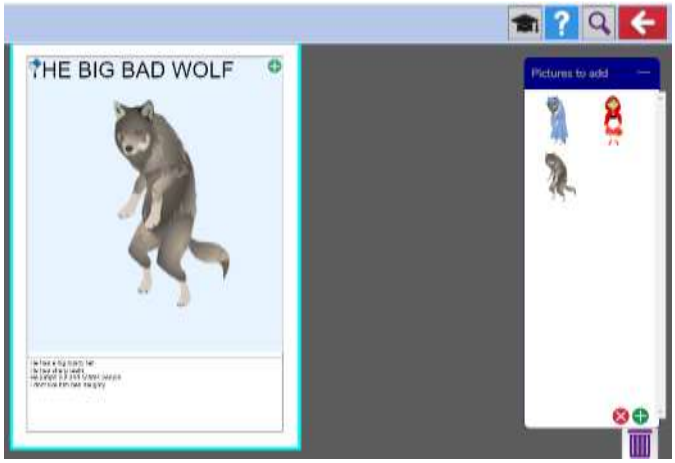
Fake news
https://nationalonlinesafety.com/hub/view/guide/fake-news

How will I know that my child is doing well?

Any Computing work completed needs to either be emailed to class teachers or uploaded onto Purple Mash. Teachers will then be able to 'mark' work and give individual feedback. There is an option on Purple Mash to set a 'Redo' if teachers feel necessary to do so, e.g. if there is something missing, or to provide a Next Step.

Examples of work produced

Year 1



Year 2

The Annunciation

Nine months before Christmas Day, the Archangel Gabriel visited Mary to give her the great news that she was to have a baby boy. Gabriel said to Mary:

"Behold thou shalt conceive and bring forth a son and shalt call his name Jesus." (Luke 1:31)

Gabriel told her that her baby was very special and that he was the Son of God. Mary replied:

"Behold the handmaid of the Lord. Be it unto me according to thy word." (Luke 1:38)

Mary agreed to do this very special deed.

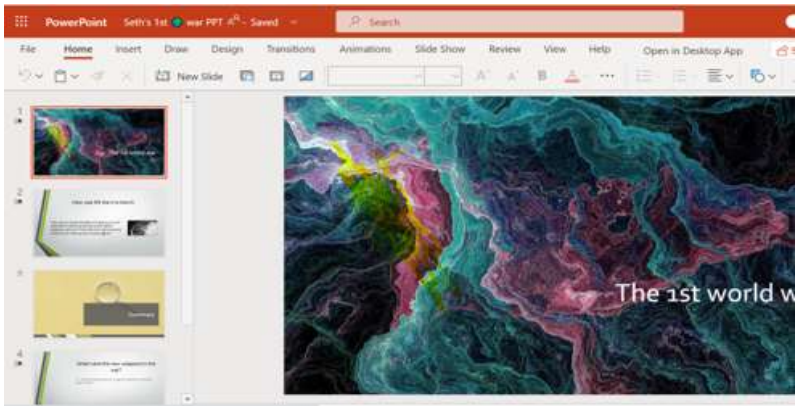
Who is involved in this event?	God, Angel Gabriel, Mary
What happened?	Angel Gabriel came to visit Mary. He said to her she will have a baby boy.
Where did this take place?	Nazareth
Why did this event take place?	Because Jesus will be born
How do you feel about this story?	Be happy that Jesus was born.

Year 3


Activity: Make your own bubbles program. You could try making the bubbles change direction instead of popping. You could also use design mode to move or add more bubbles.
redBubble up
greenBubble up
pinkBubble up
blueBubble up
when clicked blueBubble
blueBubble hide


Activity: Make your own snails race sequence.
See Code
when clicked background
myRed1 hide
when clicked myYellow1
myYellow1 forward random from 1 to 10 steps
when clicked background
myGreen1 forward 5 steps
when clicked myBlue1

Year 4


PowerPoint
The 1st world w

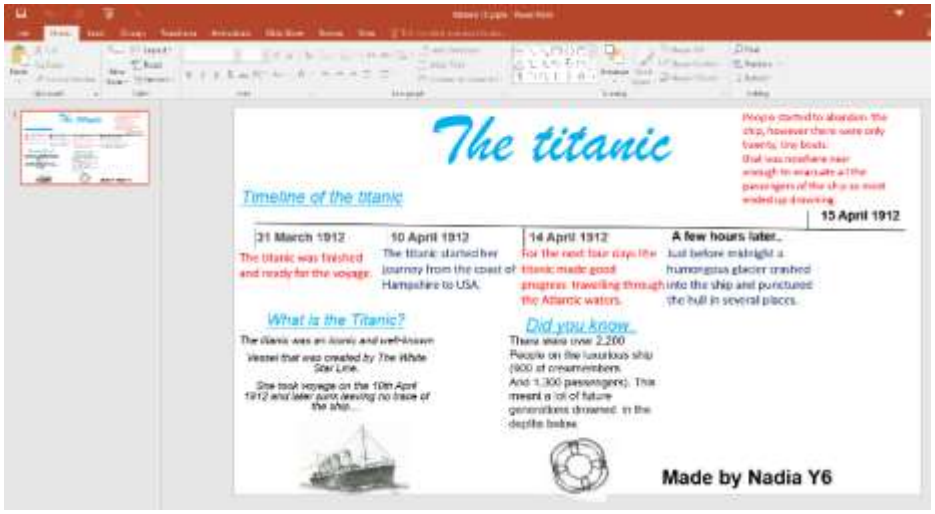

World war 2 is also known as the Second World War

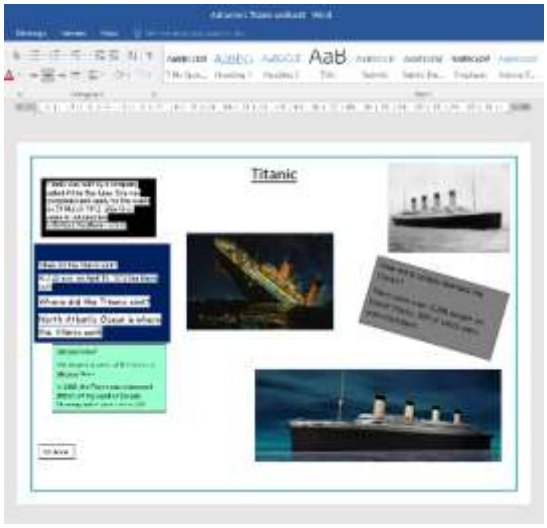
Year 5


Questions that you might ask yourself...
Read this leaflet to find out.


Healthy eating
By Harley
Healthy eating

Year 6


The titanic
Timeline of the titanic
31 March 1912
The titanic was finished and ready for the voyage.
10 April 1912
The titanic started her journey from the coast of Hampshire to USA.
14 April 1912
15 April 1912
A few hours later..
What is the Titanic?
Did you know..
Made by Nadia Y6


Titanic