

PEMBRIDGE CE PRIMARY SCHOOL LEARNING JOURNEY ITINERARY

Pembridge is a school where we encourage everyone to be inspired through faith in God and to live by Christian values so that our teaching and learning is of the highest quality, our whole community flourishes and we reflect all that is worthy of praise.

SUBJECT: Computing

YEAR GROUPS: LKS2

PREVIOUS KNOWLEDGE We would expect most children to already be able to:

- Show evidence of objectives from KS1

End of LK2 Objectives - Most children should be able to:

<i>Algorithms and Programmes:</i>	<i>Data Retrieving and Organising:</i>	<i>Communicating:</i>
• experiment with variables to control models • use 90 degree and 45 degree turns • give an on-screen robot directional instructions • draw a square, rectangle and other regular shapes on screen, using commands • write more complex programs • use repeat instructions to draw regular shapes on screen, using commands • experiment with variables to control models • make turns specifying the degrees • give an on-screen robot specific directional instructions that takes them from x to y • make accurate predictions about the outcome of a program they have written	• review images on a camera and delete unwanted images • experience downloading images from a camera into files on the computer • use photo editing software to crop photos and add effects • manipulate sound when using simple recording story boarding • capture images using webcams, screen capture, scanning, visualiser and internet • choose images and download into a file • download images from the camera into files on the computer • copy graphics from a range of sources and paste into a desktop publishing program	• use the email address book • open and send an attachment • appreciate the benefits of ICT to send messages and to communicate • use the automatic spell checker to edit spellings
<i>Using the Internet:</i>	<i>Databases:</i>	<i>Presentation:</i>
• find relevant information by browsing a menu • search for an image, copy and paste it into a document • use 'Save picture as' to save an image to the computer • copy and paste text into a document • begin to use note making skills to decide what text to copy • use a search engine to find a specific website • use note-taking skills to decide which text to copy and paste into a document • use tabbed browsing to open two or more web pages at the same time • open a link to a new window • open a document (pdf) and view it	• input data into a prepared database • sort and search a database to answer simple questions • use a branching database • input data into a prepared database • sort and search a database to answer simple questions • recognise what a spread sheet is • use the terms cells, rows and columns • enter data, highlight it and make bar charts	• create a presentation that moves from slide to slide and is aimed at a specific audience • combine text, images and sounds and show awareness of audience • know how to manipulate text, underline text, centre text, change font and size and save text to a folder • create a lengthy presentation that moves from slide to slide and is aimed at a specific audience • know how to manipulate text, underline text, centre text, change font and size and save text to a folder • insert sound recordings into a multimedia presentation

Year	Autumn Term	Spring Term	Summer Term
A	Using the Internet/Presentation Can I create a presentation to help explain the features of a Roman god?	Presentation/Communicating/Data Retrieving and Organising Can I use my art work to create animation and attach the video in Seesaw, communicating to parents/teachers/pupils?	Algorithms and Programmes Can I write algorithms to create a variety of simple shapes investigating angles of turn?
B	Databases Can I use and create simple databases to find and store information related to other pupils/Pembridge?	Data Retrieval and Organising Can I create a pocket gallery - taking pictures and presenting them in a table-top gallery?	Presentation What features can I use to present information about holidays?

ASSESSMENT OPPORTUNITIES – What are children aiming for?

Children will be able to demonstrate their learning through:

- Varied outcomes linked to the termly tasks
- Opportunities to present worship to the class using Powerpoint
- On-going use of internet within subject research and learning

ENRICHMENT OPPORTUNITIES –

What can we give children along the journey to help them remember more?

We will endeavour to include:

- Support/challenge resources visible on the IWB and print-outs
- Outcomes to be shared on Seesaw where possible
- Visit to the Rodd – an example gallery

CROSS-CURRICULAR LINKS –

What links can we make to help children make sense of what we want them to know and be able to do?

This itinerary fits with our other learning through:

- History/geography/art – topics are supported by IT and IT leads the learning in topics.

LEARNING BEHAVIOURS Children will be expected to:

Tries new things	practise new techniques through learning in other subjects.
Works hard	show determination to succeed in achieving a goal.
Concentrates	work without getting distracted by other IT apps.
Self-motivates	is always keen to support others.
Imagines	think of ways of solving problems using IT creatively.
Improves	identify without support, what can be improved.
Understands others	demonstrate skills to use IT by modelling to others.
Doesn't give up	persevere when technology doesn't always go to plan!