

Leintwardine Endowed CE Primary School Learning Journey Itinerary

‘Letting Our Light Shine’

SUBJECT : Computing YEAR : A TERM : Summer 2 YEAR GROUPS : 1/2

Key Question: How can I make more interesting computer programs using timers and buttons?

Previous Knowledge – We would expect children to already be able to:
Have experience of using iPads, safely, logging in and out of Purplemash
Have used 2Code to create simple programs using a small number of objects, events, actions and backgrounds.

END OF UNIT OBJECTIVES

Some children will not yet have met what is expected and will show that they are emerging because they can:	Most children will show that they have reached the expected level because they can:	Some children will have gone beyond the expected level and will show that they are exceeding because they can:
recognise the term algorithm with some support, write simple programs using collision detection, timers and buttons modify objects with some support debug simple programs with support	explain what an algorithm is write their own programs which use a ‘collision detection’ event use a timer to schedule actions modify the properties of objects in a program write code that makes a button perform an action Debug simple programs	write several working programs using a range of events that include multiple collision detections and a range of timers. confidently modify properties of objects explaining why they are making their chosen modifications debug their own and others’ programs using a logical, confident approach

ASSESSMENT OPPORTUNITIES

Observations of children working on iPads
Work saved in the 2Do folder each week

ENRICHMENT OPPORTUNITIES

Helping children to remember more

Home log-ins provided for children to share their work with other beyond the classroom

SUBJECT SPECIFIC VOCABULARY

predict	collision
algorithm	detection
object	timer
action	sequence
event	modify
execute	properties
background	button
plan	debug
design	

CROSS-CURRICULAR LINKS

Links that we can make to help children make sense of what we want them to know and be able to do.