# Leintwardine Endowed CE Primary School Learning Journey Itinerary

*'Letting Our Light Shine'*

| SUBJECT : Computing | YEAR :  B | TERM : Autumn 1 | YEAR GROUPS :  1/2 |
|---|---|---|---|

## Key Question:  Why do computers follow instructions?

Previous Knowledge – We would expect children to already be able to:
Have used iPads before.
Some will have logged on to Purplemash previously
Know that it is important to stay safe online (Internet safety days)

## 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: |
|---|---|---|
| Log on to Purplemash with adult support<br>Know that it is important to stay safe online but not explain how this is done<br>Save work with support<br>Create, follow and debug algortihms with support. | Log onto Purplemash using a username and password<br>Talk about how to stay safe online<br>Save a piece of work in Purplemash<br>Explain an algorithm as a set of instructions<br>Create/follow simple algorithms<br>Debug simple algorithms | Children understand the effect that precise accuracy of the instructions has on the outcome.<br>Children can give instructions that demonstrate they are anticipating the outcome.<br>They can give another child detailed instruction to build a simple model, anticipating the information that the other child will need to make an accurate replica at a more detailed level. Children know that an algorithm is a set of instructions used to solve a problem or achieve an objective. Children know that an algorithm written for a computer to follow is called a program.<br>They can work out what is wrong in an algorithm when the steps are out of order and can debug the algorithm. They can write their own algorithm for a recipe. |

## ASSESSMENT OPPORTUNITIES
Observations of children at work, printed work, saved work

| ENRICHMENT OPPORTUNITIES<br>**Helping children to remember more**<br>using ipads across the curriculum | SUBJECT SPECIFIC VOCABULARY<br>Internet Browser<br>Safari      Algorithm<br>Login      Instructions<br>Username      Debugging<br>Password<br>Avatar<br>Safety<br>Device | CROSS-CURRICULAR LINKS<br>**Links that we can make to help children make sense of what we want them to know and be able to do.**<br>PSHE – Staying safe |