Leintwardine Endowed CE Primary School Learning Journey Itinerary

'Letting Our Light Shine'

SUBJECT : Computing	YEAR : B	TERM : Summer 2	YEAR GROUPS : 3/4

Key Question: Why are simulations useful?

Previous Knowledge – • Algorithms • Collision detection - simulating air traffic control • Object types • Debugging • Understanding the term 'technology' • Recognising the use of technology around them • Following instructions • Creating simple programs • Computer simulation of real life events

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:
With support, explain that computer simulations can represent real and imaginary situations.

In groups, give suggestions of advantages and disadvantages of simulations.

Use simulations with guidance to test predictions.

With guidance, evaluate simulations.

In groups, create our own simulations. | Explain that computer simulations can represent real and imaginary situations.

Give suggestions of advantages and disadvantages of simulations

Explore a situation

Use a simulation to try out different options and to test predictions

Evaluate simulations

Recognise patterns within simulations and make and test predictions

Identify rules and relationships which simulations use

Create my own simulations | Explain that computer simulations can represent real and imaginary situation and give examples of when simulations are useful.

Give suggestions of advantages and disadvantages of simulations and explain them.

Explore a situation

Use a simulation to try out different options and to test predictions.

Evaluate simulations

Recognise patterns within simulations and make and test predictions accurately and independently.

Identify rules and relationships which simulations use

Create my own simulations |

ASSESSMENT OPPORTUNITIES
Class discussions, end of unit assessment

| ENRICHMENT OPPORTUNITIES
Helping children to remember more | SUBJECT SPECIFIC VOCABULARY
Simulations, Modelling, Advantages, Disadvantages, Point-of-view, Solution, Realistic, Unrealistic, Analysis, Decision, Evaluation | 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. |