Lodge Farm Primary School- Knowledge Organiser

Computing Topic: Animation and Effective Searching	**Year:** 4 **Term:** Summer 1

Key Knowledge/Content:
Animation
- To discuss what makes a good animated film or cartoon.
- To learn how animations are created by hand.
- To find out how animation can be created in a similar way using the computer.
- To learn about onion skinning in animation.
- To add backgrounds and sounds to animations.

Effective Searching
- To locate information on the search results page.
- To use search effectively to find out information.

Links to:
Prior learning:
- Animated Stories
- Creating Pictures

Future learning:
- Game Creator
- 3D Modelling
- Word Processing

Key vocabulary with definition:
Prior Vocabulary Animation
- Animation - The process of adding movement to still objects.
- Internet - A global computer network providing a variety of information and communication facilities.

Prior Vocabulary Effective Searching
- Balanced View - Presenting opposing points of view fairly and without bias.
- Easter eggs - An unexpected or undocumented feature in a piece of computer software or on a DVD, included as a joke or a bonus.

New Vocabulary Animation
- Onion Skinning - A process where the shadow image of the previous frame is present to help you line up the objects of the animation correctly.
- Pause - To temporarily stop the animation.
- Stop motion - A technique whereby the camera is repeatedly stopped and started, for example to give animated figures the impression of movement.

New Vocabulary Effective Searching
- Key words - A word or a group of words an Internet user uses to perform a search in a search engine.
- Reliability - The degree to which the result of something can be depended on to be accurate.

By the end of this unit
All children can: use search engines to provide helpful information to support their learning.
Most children can: will be able to **locate** information from the internet via a search engine using effective techniques such as truncating a question into just key words or concise phrases.
Some children can: use search engines effectively to find intended information and are fully aware of the benefits of using key words.

Background understanding for teachers and parents:
Children can create simple animation and use the internet to find information.

Curriculum Driver (one):
Aspiration
Evidence outcome:
Consider how future jobs may use computing and effective searching.