



St Leo's and Southmead
Catholic Nursery and Primary
School

Year
SIX

Computing Knowledge Organiser

Spring-
Term

Amazing Activity
Use of VR across the
curriculum.

VR-Worlds

Key Concepts

Lesson	Driving Question
1	What is VR?
2	What is an online account?
3	What are scenes in my VR world?
4	How can we record our script and add it to our VR world?
5	How do we view our VR worlds?
6	Reflect, feedback and improve?

What is VR?

Virtual Reality (VR) is extremely popular at the moment and many industries/sectors are researching into how they can use it. One of the most forward thinking is education. VR gives children an opportunity to travel around the world and see sites that they wouldn't otherwise be able to experience. That feeling of being immersed in your surroundings creates endless possibilities for VR in the classroom.

Not only does VR have the ability to transport children to famous landmarks and places of interest around the world but it can also help students to understand and comprehend other topics, for example the complexity of the human body. Rather than using pictures in a textbook or videos on YouTube, teachers can take students inside the body, for example to analyse the structure of the heart or to follow the process of digestion. No matter what topic you are currently studying, VR can be used to help bring it to life and open student's imaginations.



What do you need to get started?
Don't worry as this activity can be completed by the children with just a laptop or iPad.

VR is becoming more and more accessible but if you want to take full advantage of the technology it can be quite expensive.

What apps can be used in the classroom?
On the next page are a number of free VR apps that you can use in your classroom.

Key Vocabulary

VR— is the use of computer technology to create a simulated environment.

Server—a central computer from which other computers get information

Visual coding— where you take instructions and translate it into a language the computer understands.

Z-Axis— the third axis of a three dimensional grid.

MP3—a compressed audio file format.

Cloud— a global network of servers.

Password— a secret word or expression.

Virtual world—computer-based simulated environment.

Story Map— a graphic organizer.

Skills

- I can create a consistent design for my presentation, and present to others.
- I understand how computer networks work, including the internet.
- I can create and combine a range of media in order to produce digital content.
- I can improve the quality and presentation of my work using editing and formatting techniques.
- I can create a digital storyboard to plan a project or investigation.

“Nurture, Inspire, Succeed”