



# St John Fisher RC Primary School

## Year Two Knowledge Organiser – Summer Two – Computing – AR

What we will be learning	Key Facts to Remember
<p><b>Weeks 1 - 4</b></p> <p><b>I know:</b></p> <ul style="list-style-type: none"> <li>About Augmented Reality (AR) and its uses.</li> <li>How to search and save images relevant to a topic.</li> <li>How to add images or drawings to the ARmakr library.</li> <li>How to create and organise an AR scene.</li> <li>How to animate objects and add explanations.</li> <li>How to review and save the AR scene.</li> </ul>	<ul style="list-style-type: none"> <li>I can explain what AR is and provide examples of its use in everyday life.</li> <li>I can use the internet safely to find and identify images related to a given topic.</li> <li>I can add images to the ARmakr library and create a simple AR scene.</li> <li>I can create movement in objects within their AR scenes.</li> <li>I can write informative explanations for my AR scenes that are clear and related to the content.</li> <li>I understand how to save my work in the ARmakr app for future use and enjoyment.</li> </ul>
<b>Key Vocabulary and Glossary</b>	
<ul style="list-style-type: none"> <li><b>Augmented Reality (AR)</b> - A technology that adds digital images or sounds to the real world, often seen through devices like tablets or smartphones.</li> <li><b>Image</b> - A picture, drawing, or photograph that represents something visually.</li> <li><b>Library</b> - A place where collections of books, images, or information are kept for use.</li> <li><b>Scene</b> - A setting or background where actions or events occur; in AR, it's a place created with digital objects.</li> <li><b>Animation</b> - The process of creating movement in pictures or images, making them appear to move or change.</li> <li><b>Object</b> - A thing that can be seen or touched; in AR, it often refers to the digital items included in a scene.</li> <li><b>Explanations</b> - Information that makes something clear or easy to understand.</li> <li><b>Search</b> - To look for specific information or items using keywords or questions.</li> <li><b>Save</b> - To keep a copy of something on a device or in a library for future use.</li> </ul>	<p style="text-align: center; background-color: #333; color: white; padding: 5px;"><b>Interesting Facts</b></p> <ul style="list-style-type: none"> <li>AR has been used in mobile games, such as Pokémon GO, which allows players to see and catch Pokémon in the real world using their devices!</li> <li>Some museums use AR to provide visitors with extra information about exhibits when they scan objects with their phones or tablets.</li> <li>AR applications can help in education by bringing stories to life, allowing students to see subjects like science or history in new ways.</li> <li>Augmented reality is used in shopping apps, allowing customers to see how furniture or clothes would look in their own homes before buying.</li> </ul>

Theme	Apps & Software
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	<p style="text-align: center;"><b><u>The Great Barrier Reef</u></b></p> <p>The Great Barrier Reef is the world's largest coral reef system, a massive underwater structure made of coral, that's located off the coast of Australia. It's so big, you can even see it from space! It's a home to a huge variety of sea creatures and plants, like fish, turtles, and coral.</p>		<p style="text-align: center;"><b><u>AR Makr</u></b></p> <p>AR Makr is an iPad app that enables users to create and place virtual objects into their real-world surroundings using augmented reality (AR) technology. It allows users to transform 2D drawings and photos into 3D objects and then position them within their environment for interactive experiences.</p>		<p style="text-align: center;"><b><u>Seesaw</u></b></p> <p>An educational platform that can be used to create an electronic portfolio of children's completed digital work.</p>
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