

We want children to understand that tackling challenges requires planning, creativity, adaptation and exploration through and with technology.

We want children to understand the tools processes and systems support developing ideas and solutions with technology and that first ideas aren't always perfect.

We want children to understand the role that societal, ethical, environmental and economical factors play when we are developing and creating solutions.

We want children to understand the importance of evaluating and comparing ideas, using evidence, seeking criticism and giving effective, constructive feedback to improve solutions.

1
Through exploration learners will understand and use contemporary systems to evaluate how they meet societal needs and wants. They will be aware of how information is organised and used to improve these systems through their behaviours.

2

Learners become creative, critical thinking.

They will develop a mindset for looking at ^{processes} ~~the~~ real world, identifying and simplifying challenges into parts.

3

Learners become ethical, sustainable and responsible ^{consumers & creators} ~~users~~ of technology through understanding the impact on society.

4

Learners learn to address real world challenges through using appropriate tools and systems thinking to come up with and evaluating creative solution.

"Socially aware citizens"

CYP understand ~~how~~ their impact on the world around them; locally, nationally & internationally, and how their actions can promote safety, equity and inclusion.

💡 Tools, Systems & Processes

CHILDREN + YOUNG PEOPLE WILL DEVELOP UNDERSTANDING TO EXPLORE AND SELECT EXISTING ~~TOO~~ AND EMERGING TOOLS, SYSTEMS, AND TECHNOLOGIES TO DESIGN, COMMUNICATE AND CREATE; ADDRESSING CHALLENGES IN REAL-WORLD CONTEXTS.

💡 ETHICS, SUSTAINABILITY + SOCIAL AWARENESS ~~CREATIVE + CRITICAL APPROACHES~~

CHILDREN + YOUNG PEOPLE WILL UNDERSTAND THE COMPLEXITY OF THE WORLD AND MAKE ETHICAL CHOICES THAT ARE FUTURE-FOCUSED TO CREATE POSITIVE WORLD IMPACTS. THEY WILL BE INFORMED CONSUMERS WHO CRITICALLY ENGAGE WITH PRODUCTS, SERVICES, AND INFORMATION. CYP WILL ADVOCATE FOR AND PARTICIPATE IN RESPONSIBLE SOURCING PRACTICES, UNDERSTANDING THE FULL LIFECYCLE OF WHAT THEY CONSUME AND ITS EFFECT ON PEOPLE AND THE PLANET. CYP WILL BE INNOVATIVE IN THEIR USE OF TECHNOLOGY, WHICH WILL ALLOW THEM TO BE CONTRIBUTORS TO CHANGE BUILDING A MORE EQUITABLE AND SUSTAINABLE FUTURE FOR ALL.

💡 CREATIVE AND CRITICAL APPROACHES

CHILDREN AND YOUNG PEOPLE UNDERSTAND THE IMPORTANCE OF AN IMAGINATIVE, CREATIVE AND INNOVATIVE MINDSET; ENABLING THEM TO BUILD ON EXISTING IDEAS, APPLY LOGICAL REASONING, AND ITERATE SOLUTIONS. THROUGH THIS PROCESS THEY ENHANCE THEIR PROBLEM-SOLVING ABILITIES AND DEVELOP ORIGINAL IDEAS THAT MAKE A POSITIVE IMPACT.

"Through & with Technology"

CYP understand that technologies include tools, devices & software which are designed to help us in our daily lives. They understand that it is important to select the most appropriate tool for a task & how to use it safely & purposefully.

"Creative, Critical (and innovative?) thinkers"

CYP understand the importance of data to inform choices. They understand how ideas transfer across contexts and ~~ideas~~ Can be evaluated against criteria. CYP understand how different approaches allow them to formulate ideas & iterate a range of options based on feedback.

"Ethical & Sustainable"

CYP understand that they are responsible for their actions, or inaction. Their choices related to materials, processes, products & services impact on people and the environment.

"Real-world Challenges"

CYP understand how and why technologies are used to address the needs and issues of society in a variety of contexts, and how different factors have influenced the design of existing solutions

"Bridging theory & practice"

CYP understand how they can put theory into practice and link learning across contexts through the creation of a product or service to address a problem, challenge or opportunity.