How The World Works
Central Idea: Technology can have an influence on lives
Upper & Lower Kindergarten Unit Newsletter

Lines of inquiry

- **Technology around us**
- **How technology has changed**
- **How technology can impact our lives**

ATLs

- **Self-management skills**
- **Research skills**

Specified Concepts

- **Form**
- **Change**
- **Connection**

Additional Concepts

- **Technology**
- **Lifestyle**

Learner Profile

- **Risk-taker**
- **Balanced**

Transdisciplinary Learning
(Additional learning objectives for UK students are highlighted in blue)

Language
- Explain and discuss ideas with detail in full sentences, with fluency and articulation
- Read their own writing to the teacher and to classmates
- Indicate printed text where reading should begin
- Write letters and number formations legibly in order to present ideas
- Apply phonic knowledge and skills to reading and spelling unfamiliar words

Maths
- Count by 2's
- Describe the characteristics of 3D shapes
- Read the time to the hour and half hour
- Read the time to the hour, half hour and quarter hour
- Use the correct language, symbols and vocabulary associated with number and data

Art
- Develop the ability to cooperate and communicate with others in creating dance
- Combine different formal elements to create a specific effect
- Identify, plan and make specific choices of materials, tools and processes

PSPE
- Develop strategies that help them to cope with change
- Identify when their actions (physical and words) have impacted on others
- Reflect on the process of achievement and value the achievement of others

Science
- Explain in simple terms what causes a change of state
- Hypothesise about how materials will behave if their properties were different

Social studies
- Explain the way advances in technology affect individuals
- Describe the consequences of positive and negative uses of technology

By the end of this unit:

Children will learn to recognize the role technology plays in our daily lives. They will develop digital literacy by using devices and navigating online safely. Technology will empower them to collaborate effectively, fostering teamwork through digital platforms. As they engage with this topic, children will demonstrate an increasing interest in STEAM activities, equipping them for future opportunities.

How you can support your child at home

- Explore Technology Together: Spend time with your child using different technological devices. Discuss how each device works and its purpose in everyday life to foster curiosity about technology.
- Visit Science and Technology Museums: Plan a trip to a local science or technology museum. Discuss the exhibits and how they relate to the role of technology in our lives, sparking further inquiry at home.
- Encourage Creative Projects: Provide materials for your child to design and create their own technology-related projects, such as building a simple robot or crafting a digital story, fostering innovation and creativity.

世界如何運作
中心思想：科技影響我們的生活
低高班單元通訊

探究線索

- 科技圍繞著我們
- 科技的改變
- 科技如何影響我們的生活

學習方法技能

- 自我管理技能
- 研究技能

特定概念

- 形式
- 變化
- 連繫

附加概念

- 科技
- 生活方式

學習者培養目標

- 勇於嘗試
- 全面發展

超學科主題學習
(藍色顯示的部分為高班學習目標)

語言
- 認識學過的詞語, 發音清晰
- 掌握基本筆順
- 正確展示書寫的技巧, 如方向和空間
- 樂意嘗試寫字或自創字型
- 能聽懂複雜指示, 並作出合理回應
- 積極參與小組對話和討論
- 能自己閱讀圖書中的常用字

數學
- 以2為單位數數
- 描述立體形狀的特徵
- 認讀出整點時間和半點時間
- 認讀出整點、半點和一刻的時間
- 使用與數字和數據有關的語言、符號和詞彙

藝術
- 在舞蹈創作中發展與他人合作與溝通的能力
- 結合不同形式的元素來創造特定的效果
- 辨識、計劃、明確選擇材料、工具和步驟

體育、社交和個人教育
- 制定有助於他們應對變化的策略
- 辨別他人的行為(身體動作和言詞)會影響其他人
- 反思成功的過程和重視他人的成功

科學
- 用簡單的詞彙解釋導致狀態改變的原因
- 對物料在其性質轉變下的反應進行假設

社會學
- 說明科技進步影響個人的方式
- 描述使用科技帶來的正面與負面的後果

單元完結後，我們希望：
孩子們學會認識科技在我們日常生活中扮演的角色。他們會透過使用電子裝置和安全上網來發展數位素養。科技將賦予他們有效協作的能力，通過數位平台促進團隊合作。當他們參與這個主題時，孩子們會表現出對科技活動的興趣與日俱增，為數碼未來做好準備。

在家中的活動建議：
- **一起探索科技** :與您的孩子一起使用不同的科技設備, 討論每種設備如何運作以及它在日常生活中的用途, 激發對科技的好奇心。
- **參觀科技博物館** :計劃一次參觀科學博物館的旅行, 討論展覽品及其與我們生活中的科技角色的關係, 激發孩子在家中的進一步探究。
- **鼓勵創意項目** :提供材料讓您的孩子設計並創建自己的科技相關項目, 如製作簡單的機器人或編寫數位故事, 培養創 新和創造力。