



Where We Are in Place and Time

Central Idea: People design and build solutions to meet their needs and desires

Lines of Inquiry

- People's needs and desires change over time
- Our needs and desires inspire new inventions
- Inventions have an impact on our lives/environment

ATLs

- Research skills
- Thinking skills

Specified Concepts

- Change
- Causation
- Responsibility

Other Concepts

- Creation
- Transformation

Learner Profile

- Communicator
- Knowledgeable
- Thinker

Transdisciplinary Learning

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

Language

- Negotiate plans and activities and taking turns in conversation
- Include shapes, symbols and colours in presentations
- Participate in shared writing, observing the teacher's writing and making suggestions
- Form most letters correctly
- Use writing as a means of recording and communicating

Maths

- Use positional language to describe location of an item
- Sort familiar objects to identify their similarities and differences, justifying decisions
- Describe real objects and events by attributes
- Create and extend complex patterns
- Identify patterns in numbers

Art

- Explore basic bodily movements and the use of space
- Select tools, materials and processes for specific purposes
- Create artwork in response to a range of stimuli
- Display audience etiquette and appropriate responses
- Identify the stages of their own and others' creative processes

PSPE

- Be confident to try new activities, initiate ideas and speak in a familiar group
- Recognise that others have emotions, feelings and perspectives that may be different from their own
- Know and apply appropriate strategies to resolve challenging social issues
- Solve problems and overcome difficulties

Science

- Identify similarities and differences of a range of materials
- Ask questions about how and why things change
- Develop and test predications
- Recognise that living things grow and change

Social Studies

- Explain how they are part of a community
- Explain the purposes and characteristics of roles within groups of people
- Use evidence to develop opinions

By the end of this unit:

Children will gain the perspective of time and understand what influences change and how it benefits us.

How you can support your child at home: Encourage Curiosity and Research

- Help children ask questions about how and why things change over time, supporting their research skills by exploring books, videos, or simple experiments together that relate to inventions and their impacts.
- Discuss needs, desires, and changes by engaging children in conversations about their own needs and desires and how these might change. Talk about inventions or solutions at home that meet different needs and how these ideas transform lives, fostering thinking about causation and responsibility.
- Involve children in creative problem-solving and projects, where children design or build simple solutions using household items, encouraging creativity and transformation. This aligns with concepts of creation and change and helps develop their thinking and making skills.
- Integrate language and communication practice by encouraging turn-taking and expressing ideas clearly. Involve children in shared writing or presentations about inventions and changes, incorporating patterns with shapes, symbols, and colours.

我們身處什麼時空

中心思想：人們設計和建構解決方案以滿足自身的需求和願望

探究線索

- 人們的需求和願望隨著時間變化
- 我們的需求和願望激發新的發明創造
- 發明對我們的生活環境產生的影響

學習方法

- 研究技能
- 思考技能

特定概念

- 變化
- 原因
- 責任

附加概念

- 創作
- 轉化

學習者培養目標特質

- 善於交流
- 知識淵博
- 勤於思考

超學科主題學習

(藍色顯示的部分為高班的學習目標)

語言

- 能聽懂複雜指示，並作出合理回應
- 開始表達自己的思想、想法和意見並尊重他人的貢獻
- 觀察視覺形象，欣賞以及表達自己的創作是有具體目的的視覺材料
- 利用不同書寫媒介，以圖畫或文字方式來表達和記錄個人思想
- 能運用文字書寫自己要表達的意思

數學

- 使用位置語言描述物品的位置
- 對熟悉的物件進行分類，找出它們的異同並給予合理的證明
- 按屬性描述真實的物體和事件
- 創作和擴展複雜的圖案
- 識別數字的模式

藝術

- 探索基本的身體運動和空間的運用
- 為特定目的選擇工具、材料和步驟
- 根據各種刺激創作藝術品
- 展示觀眾的禮儀和適當的回應
- 了解自己和別人創造過程的階段

體育、社交和個人教育

- 有信心嘗試新活動，提出想法並在熟悉的小組中發言
- 認識到其他人的情緒，感覺和觀點可能與自己的有所不同
- 知道並運用適當的策略來解決具有挑戰性的社交問題
- 解決問題及克服困難

科學

- 識別各種材料的異同
- 提問事物變化的方式和原因
- 設計和測試預期結果
- 了解生物的成長和變化

社會學

- 說明他們如何成為社區的一分子
- 說明在人群中角色的目的和特徵
- 用證據來發展觀點

單元完結後，我們希望：

孩子們將建立時間觀念，理解影響變化的因素，並了解其如何造福我們。

在家中的活動建議：鼓勵好奇心和研究

- 幫助孩子探究事物隨時間變化的方式和原因，並透過與發明及其影響相關的書籍、影片或簡單實驗來培養他們的研究技能。
- 透過與孩子們的對話，討論需求、願望和變化，讓他們分享自己的需求和願望，以及這些可能如何改變。談論家中滿足不同需求的發明或解決方案，以及這些想法如何改變生活，培養他們對因果關係和責任的思考。
- 讓孩子參與創意問題解決和專案活動，利用家中物品設計或建造簡單的解決方案，激發創造力與轉化能力。這與創造和變遷的概念相符，有助於培養他們的思考和創造技能。
- 整合語言與溝通實踐，鼓勵輪流發言和清晰表達想法。讓孩子參與關於發明與變化的共同寫作或演示，並融入形狀、符號和顏色的模式運用。