

Entry Task

Pupils create personal timelines recording their experience, memories and achievements throughout their time at Malvern and consider what they hope to accomplish as they move towards secondary education.



Back To The Future



What to revisit?

Year 4— Identify electric appliances, construct and label a simple series circuit and recognise some common conductors and insulators.

Year 3/6— Light: identifying light travels in straight lines and is the absence of darkness.

Threads

Health, Exploration, Reflection, Community, Settlement, Navigation

Big Question

How can circuit be varied and what affect does it have? How and why does our local area compare to another area?

Who was Lewis Latimer? What did he invent? What is his legacy?

What symbols are used to make electric circuits? Can I use them in diagrams and explain what they show?

What will happen to the brightness of a lamp or volume of buzzer if the number of batteries increase? Can I compare and give reasons for their functions?

Can I construct complex circuits demonstrating an understanding of components, identifying and correcting errors?

What will happen if I had more switches? Is their position important?

Visit the settlement of New Brighton. explore and Photograph a range of human and physical features of the area. Measure/record the traffic and footfall

Visit, explore and observe the surrounding area of the settlement of Huyton (local community). Photograph a range of human and physical features of the area. Measure/record the traffic and footfall.

Can I produce graphs to compare the traffic and footfall of the settlement of Huyton to New Brighton?

Can I demonstrate a range of cooking, combining and preparing skills? (wash, slice, sift, stir, chop, dissolve, pour, measure, boil) Working safely and hygienically, can I make and serve my meal?

Can I work collaboratively to pitch my meal idea and packaging to a panel considering the design brief and justifying choices? Can I rank groups according to their success, providing a rationale for their placing?

Working together, can I to design a meal for 6 people that has the lowest price point, is the most sustainable and is nutritionally valuable? Can I shop for ingredients?

Can I research existing products evaluating what makes packaging appealing? (name, description, allergens, nutritional information, cooking and storage advice, price, origin etc.) Can I design mock up packaging for my meal using computer aided design?

How do the human and physical geographical features of New Brighton compare to Huyton?

Where does food come from and can I order and explain the manufacturing process? Can I explain sustainability? Can I suggest ways of making more sustainable meals considering production, manufacturing, waste and packaging?

Using observations and digital technologies, can I produce a sketch map and plan of New Brighton and Huyton Village land use, using the following mapping symbols? Theme/pleasure park, public house, recreation/leisure/sports centre, visitor centre, public park/garden, slipway, light-house/beacon, coast

What makes a balanced and healthy diet? Can I recall my understanding of food groups; fresh, pre-cooked and processed foods; grown, reared, caught and processed foods?

How can I use 6 figure grid references to locate symbols on a map and give directions and navigate from one place to another?

Can I apply my understanding of 6 figure grid references to gain a wider understanding of the world and compare to the UK?

Celebration/Evaluation

Children to invite their families in to share the meals that they have made as a part of their end of year celebrations.

Curriculum Passport Challenge

I can perform alongside my peers in a performance celebrating my time at primary school.

Key Vocabulary

As a design technologist, I will use... Protein, carbohydrate, fruit and vegetables, fats and oils, dairy, fresh, pre-cooked, processed, grown, rear, caught, manufacture, sustainable, food miles, waste, CAD, mock-up, nutritionally valuable, wash, slice, cut, prepare, pitch, justify, budget

As a geographer I will use... aerial view, compass, co-ordinate, grid reference, landmark, map, atlas, land, physical and human geography, symbol

As a scientist, I will use... angle of incidence, angle of reflection, refraction, spectrum, translucent, periscope, periscope, series circuit, parallel circuit, resistance, voltage, terminal, loose connection, component

DRIVER SUBJECTS ARE: **SCIENCE**,
GEOGRAPHY & DT,