

Gwyddoniaeth a Thechnoleg

Ymchwiliadau

- Adeiladu roced: grymmoedd; dylunio a thechnoleg
 - Arbrofion y lluedd: ceudyllau; tyfu bwyd
- Cymhwysedd digidol ar draws y chwe maes
- diogelwch ar y we

Cyfoethogi'r Dysgu ac Addysgu

Ymweliad i Techniquest

Ymweld a'r llyfrgell yn yr Hyb

Diwrnod dathlu yn dilyn cyfweiliadau i fod yn ofodwr

Eisteddfod yr Urdd

Dydd Gwyl Dewi

Diwrnod Santes Dwynwen

Y Dyniaethau

- Cymharu'r 'Ras Ofod' 60au rhwng yr UDA a'r Undeb Sofietaidd gyda ras ofod presennol
- Adnabod gwledydd a chyfandiroedd; ble gallwn weld yr Aurora Borealis a'r Aurora Australis

Iechyd a Lles

Ymarfer corff

- creu rhaglen ffitrwydd i ofodwr

Bwyta'n iach

- deiet cytbwys yn y gofod (blasu bwydydd/tyfu a bwyta salad)

Y gofod - ble nesaf?

Prif ffocws: Ymgeisio am swydd fel gofodwr trwy gymryd rhan mewn tasgau sy'n cynnwys cyfweiliad ffurfiol, gwaith tîm, ffitrwydd a sgiliau modur man.

Byddwn yn adeiladu ar ein sgiliau a gwybodaeth trwy arbrofion gwyddonol, dysgu am hanes archwilio'r gofod, ac yn meddwl am ein dyfodol o fewn cyd-destun y gofod

Celfyddydau Mynegianol

- Efelychu celf Kandinsky
- Cyfleu emosiwn trwy gelf gan ddefnyddio 'Starry Night' Van Gogh
- Cyfryngau digidol - rhaglenni dogfen y gofod

Iaith, Llythrennedd a Chyfathrebu

Prif ffocws

Cymraeg

- Stori Creadigol: ysgrifennu stori am ofodwr yn cwrdd ag estronwr am y tro gyntaf
- Podlediad: cyfweiliad gyda gofodwr o Artemis II

English

- Astronaut Application: participate in a job interview, using formal language and communication
- Space Dairy: document an astronaut's space training and voyage to space

Llyfr: Space Boy (David Walliams)

Mathemateg a Rhifedd

Rhif

Byddwn yn ailymweld a chysyniadau maestrol rhif yn rheolaidd yn ystod ein gwersi a thrwy asesiadau Big Maths

- adolygu dulliau y pedwar gweithred rhif: adio, tynnu, rhannu, lluosu
- patrymau rhif
- dwblu a hanneru - rhifau cyfan a degolion
- lluosu a rhannu gyda 10, 100 a 1000
- adnabod ffracsiynau, canrannau a degolion

Algebra

- patrymau sy'n cynnwys rhifau negyddol
- creu brawddegau rhif sy'n cynnwys anhafaleddau

Geometreg

- arwynebedd a pherimedr siapiau pedrochr
- defnyddio cyfesurynnau i ddatrys problemau

Ystadegau

- casglu data a chreu graff priodol

Science and Technology

Investigations

- Rocket construction: forces; design and technology
- Experiments on the moon: craters; growing food

Digital competence across the six areas of learning

- Internet safety

Enriching Learning and Teaching

A visit to Techniquet

Visit the library in the Hub

A celebration event following interviews to be an astronaut

Urdd Eisteddfod

Saint David's Day

Saint Dwynwen's Day

The Humanities

- Compare the 60s 'Space Race' between the USA and the Soviet Union with the current space race
- Identifying countries and continents; where we can see the Aurora Borealis and the Aurora Australis

Health and Wellbeing

Physical education

- create a fitness program for an astronaut

Eating healthy

- balanced diet in space (tasting foods/growing and eating salad)

Space - where next?

Main focus: Applying for a job as an astronaut by taking part in tasks that include a formal interview, teamwork, fitness and fine motor skills.

We will build on our skills and knowledge through scientific experiments, by learning about the history of space exploration, and by thinking about our future within the context of space

Expressive Arts

- Create art in the style of Kandinsky
- Convey emotion through art using Van Gogh's 'Starry Night'
- Digital media - space documentaries

Language, Literacy and Communication

Welsh

- Creative Story: write a story about an astronaut meeting an alien for the first time
- Podcast: interview with an astronaut from Artemis II

English

- Astronaut Application: participate in a job interview, using formal language and communication
- Space Dairy: document an astronaut's training and voyage to space

Book: Space Boy (David Walliams)

Mathematics and Numeracy

Number

We will regularly revisit number concepts during our lessons and through Big Maths assessments, including:

- review the methods of the four number operations: addition, subtraction, division, multiplication
- number patterns, including times tables
- doubling and halving - whole numbers and decimals
- multiply and divide by 10, 100 and 1000
- recognise fractions, percentages and decimals

Algebra

- patterns that contain negative numbers
- investigate number sentences that contain inequalities

Geometry

- area and perimeter of quadrilateral shapes
- use coordinates to solve problems

Statistics

- collect data and create appropriate graphs