Topic Map Class 2 Term 3/4 2022/23 - Ice Adventures

(Please note that the objectives within the learning sequence are summary of learning within our mixed classes, for more detailed year group specific objectives please refer to our Skills and Knowledge Progression documents)

Geography Sequence of Learning

1)Locate the polar regions and map key landmarks of the Arctic and Antarctica.
2) Understand and explain the climate in the polar regions (use a case study of Svalbard to complete data handling tasks).
3) How animals and vegetation have adapted to survive in the polar regions.
4) People of the Arctic and how they live.
Comparisons between the two poles will be made throughout.
Mapwork:compass points, grid references and symbols.

Assessment Activity:

A chart detailing the key similarities and differences between the two polar regions.

History Sequence of Learning

Using a range of sources of evidence and research,learn about the journeys, achievements and discoveries of the great explorers: Scott & Shackleton, Henson and Bancroft.
Evaluate the reliability/compare different sources of evidence.
Begin to understand the causes and effects of the explorers' discoveries.

Assessment Activity

Produce a fact file about one of the explorers.

Computing Sequence of Learning

Spreadsheets
Add and edit data in a spreadsheet table.
Create graphs from spreadsheet data.
Using <,>,=, spin tools
Describe & find a cell location in a spreadsheet.
Create formulae and use text variables
Databases
Introduce databases and sort objects using yes/no questions.
Search databases to answer questions.
Create a branching database.
Know how to use and debug their own and others branching databases.

Assessment Activity

LKS2
Add data to a spreadsheet and generate a graph.
Create a branching database.
UKS2
Use a spreadsheet to plan an event.
Create a topic database.

Art Sequence of Learning

1) Research sculptures and the work of artists.
2) Recognise sculptural forms in our environment (inc buildings)
3) Use sketch books to collect ideas.
4) Plan an 'ice' sculpture to make. Include annotations to highlight how elements will be joined and materials chosen.

Assessment Activity

Create a 3D 'ice' sculpture.

D.T Sequence of Learning

1) Research container designs and the insulating materials and properties..
2) Use research to plan, design and communicate ideas through discussion, annotated sketches and cross-sectional diagrams.
3) Select from and use a wider range of materials and components, including construction materials, textiles, paper/card according to their functional properties and aesthetic qualities.
4) Select from and use a wider range of tools and equipment to perform practical tasks e.g. cutting, shaping, joining and finishing, accurately.
5) To join and combine materials and components accurately.
6) Test whether choices are fit for purpose.

Assessment Activity

Produce an insulated container.

PSHE Sequence of Learning

Keeping myself safe
Identifying some of the key risks and effects from alcohol and cigarettes.
Identifying situations which are dangerous, risky or hazardous.
Safe and respectable behaviours when using communication technology.
Economic well being
The benefits of saving money and different ways that money can be saved.
Exploring a broad range of jobs that people can have.
Know about some of the skills that will help them in a future career.

Assessment Activity

Create their own rap song to send a message about safe online behaviour for children their age.

Science Sequence of Learning

Magnets
1)To observe how magnets attract or repel each other and attract some materials and not others.
2)To describe magnets as having 2 poles.
Properties and changes of materials.
1)Describe, sort and compare different materials according to their properties.
2)Identify, explain and investigate thermal conductors and insulators.
3) Identify, explain dn investigate electrical conductors and insulators.
4) Describe and explain dissolving and melting the differences between them.
5)Investigate those materials that dissolve in water and investigate what affects the speed of dissolving.
6) Identify and use different processes to mix and separate materials.
7) Identify and explain irreversible chemical changes and describe the new materials that have been created through these processes.

Assessment Activity

Produce an information poster on properties and changes of materials.

French Sequence of Learning

Developing speaking, listening, reading and writing skills.
Going shopping – French vocabulary, including fruit, vegetables and clothes and different shops.
Exploring the similarities and differences between different cultures around the world and ours.

Assessment Activity

Explore food from different cultures by taking part in a French food tasting session.

Music Sequence of Learning

Forming a class percussion/woodwind(recorder) orchestra

1)Introduce all instruments found in large orchestras.
2)Develop knowledge of pulse, tempo, pitch, dynamics and rhythm.
3) Play rhythm games
4) Continue to embed confidence playing the recorder using notes learnt to date. (BAGED)
5) Incorporate singing to instrumental arrangements.

Assessment Activity:

In groups, compose, record, perform and evaluate a short piece of music using the recorder and voice as well as untuned percussion instruments of choice (application of music theory).

P.E. Sequence of Learning

REAL PE
Static balance - ankle rotations and squats;front and back balance with ball transfer (Station 1,2,3).
Dynamic Balance - Lunge walking along different pathways and directions (station 5)
Dynamic Balance to agility - jumping into lunges whilst holding a ball centre/off-centre (station 6)
Coordination/Footwork - Throwing and catching (Station 9)
Netball Tournament
REAL Dance
Experience a variety of dance styles.
Develop movement patterns and motifs.
Use transitions to link motifs.
Ensure actions fit rhythm.
Modify and evaluate dance sequences.
REAL Gym - Shape and Flight

Assessment Activity

Demonstrate REAL PE challenges in netball drills and games.
Choreograph, perform & evaluate a group dance demonstrating precision of skills and techniques.

R.E. Sequence of Learning

Jesus's Miracles: The Blindman & The Paralysed Man.
Use these stories to discuss:
1)Do stories need to be true to be meaningful? Was it possible for Jesus to heal? What other explanations could there be?
2) Express our belief in miracles.
3)What we would ask Jesus to perform in the world today.
Easter and Forgiveness.
Using the Easter story to demonstrate Jesus's forgiveness. Did he always forgive?
The Lord's Prayer
Love for enemies (Luke)
Teaching about anger (Matthew)
Investigate if it is always possible to forgive.

Assessment Activity

Retell a 'Miracle Story' including personal interpretations of events.
Write a poem to express understanding of forgiveness.

Maths Topics

Year 3/4

Multiplication & Division
Fractions
Decimals
Area and perimeter

Year 5/6

Fractions
Decimals
Percentages
Algebra
Geometry - angles and shapes
Geometry - position and direction

English Topics

Year 3/4

Information texts
Biographies
Diaries
Balanced Argument

Year 5-6

Biographies
Diary of an explorer
Non-chronological reports
Narrative