

# Year 6 Autumn 1: Voyage Across the North Atlantic

## Curriculum connections

### 6 English

**Writing:** Biographical writing about each class' artist.  
Write a non-chronological report about North America.  
Plan writing by: identifying the audience, noting and developing initial ideas, drawing on reading and research.  
Use a wide range of devices to build cohesion within and across paragraphs.  
Poetry writing based on the poem 'What is Deep?'  
Journey Tale based on Podkin One Ear.  
Increase the legibility, consistency and quality of handwriting.  
Learn spelling rules for words ending -cious and -tious; -cial and -tial; -ant, -ance and -ancy; -ent, -ence and -ency; -able, -ably and -ible/-ibly.  
**Reading:** Maintain positive attitudes to and understanding of reading by: reading books that are structured in different ways and reading for a range of purposes.  
Understand what they read by: drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence.



### 6 Maths

Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit.  
Round any whole number to a required degree of accuracy.  
Solve problems using measurement, including decimals.  
Identify prime numbers, factors and multiples.  
Use written methods to add/subtract numbers up to 10 000 000.  
Multiply/divide multi-digit numbers up to four digits by a 2-digit whole number using formal written methods.  
Perform mental calculations, including with mixed operations.  
Multiply one-digit numbers with up to two decimal places by whole numbers.  
Use written division methods in cases where the answer has up to two decimal places.

### 6 Geography

**Identifying the key features of North America and climate, time zones and its capitals**

Identify the countries of North America.  
Investigate and compare climates across North America.  
Explore the geographical features of North America.  
Explore capital cities.  
Explore the various time zones of North America and how these compare to other time zones around the world.  
Use a variety of appropriate sources to find out about the human and physical geography of various regions in North America.  
Compare human geography of a region in the UK with a region in North America.

### 6 D&T

**Celebrating culture and seasonality**

Explore and evaluate different types of burgers for taste, (meat and vegetarian) and their nutrition facts.  
Understand the need to adopt a healthy and balanced diet.  
Explore how to make burger patties by measuring and combining ingredients.  
Explore sauces and side dishes for burgers.  
Plan, design and make a burger including writing a step-by-step recipe, and evaluate the process.



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### Science

#### Light up your World, Light and Shadow

Recognise that light appears to travel in a straight line.

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Explain that objects are seen because they give out or reflect light into the eye.

Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes.

Explain why shadows have the same shape as the objects that cast them.

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### Religious & World View Education

#### What does it mean to be a Muslim in Britain today?

Learn in depth from different religious and spiritual ways of life about being a follower of the Muslim religion.

Explore the five pillars of Islam and the importance of these to Muslim believers. Gain a greater understanding of Islam and what we can learn from its beliefs, values and ideas.

Learn about the Qur'an and other forms of guidance.

Visit a Mosque.

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### Computing

#### Big Data 1

Understand why barcodes and QR codes were created.

Create QR codes using a QR code generator website.

Explain how infrared can be used to transmit a Boolean type signal.

Explain how RFID works, recall a use of RFID chips, and type formulas into spreadsheets.

Take real-time data and enter it effectively into a spreadsheet.

Online safety: Understand the positive and negative effects of the internet and explore different ways to overcome negative feelings which can occur as a result of being online.

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### PE

#### Communication and tactics

Work as a team to create simple tactics.

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#### Football

Consolidate pupils' ability to use passing, dribbling and moving skills to keep possession and score.

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#### Gymnastics

Matching and Mirroring

Sequences with and without apparatus

Use flow, canon and unison in their movements

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### Music

#### Exploring rock music, singing, improvising and composing

Play instruments in solo and ensembles contexts, with accuracy, control and expression.

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Compose a melody and record as staff notation and other music notation.

Review and appraise a number of pieces of rock music by musicians such as Bon Jovi, Tina Turner and Deep Purple.

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### PSHE

#### Being Me In my World

Identifying goals, fears and worries for the forthcoming year.

Understanding universal children's rights. Being a global citizen.

My choices, responsibilities, rewards and consequences.

Feeling welcome and valued.

Understanding and coping with friendship group dynamics.

Democracy and having a voice.

Being a role model.

**Character trait:** Self-control.

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### Spanish

#### En el colegio

#### At school

Name the subjects we study in school with the correct definite article/determiner.

Extend sentences by giving an opinion on the various school subjects and extend even further by giving a justification for that subject.

Start to tell the time.

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