



Wow Starter: Watch episode one of BBC documentary 'Frozen Planet'

Final Event: Make clay igloos to display

UNDERSTANDING THE WORLD

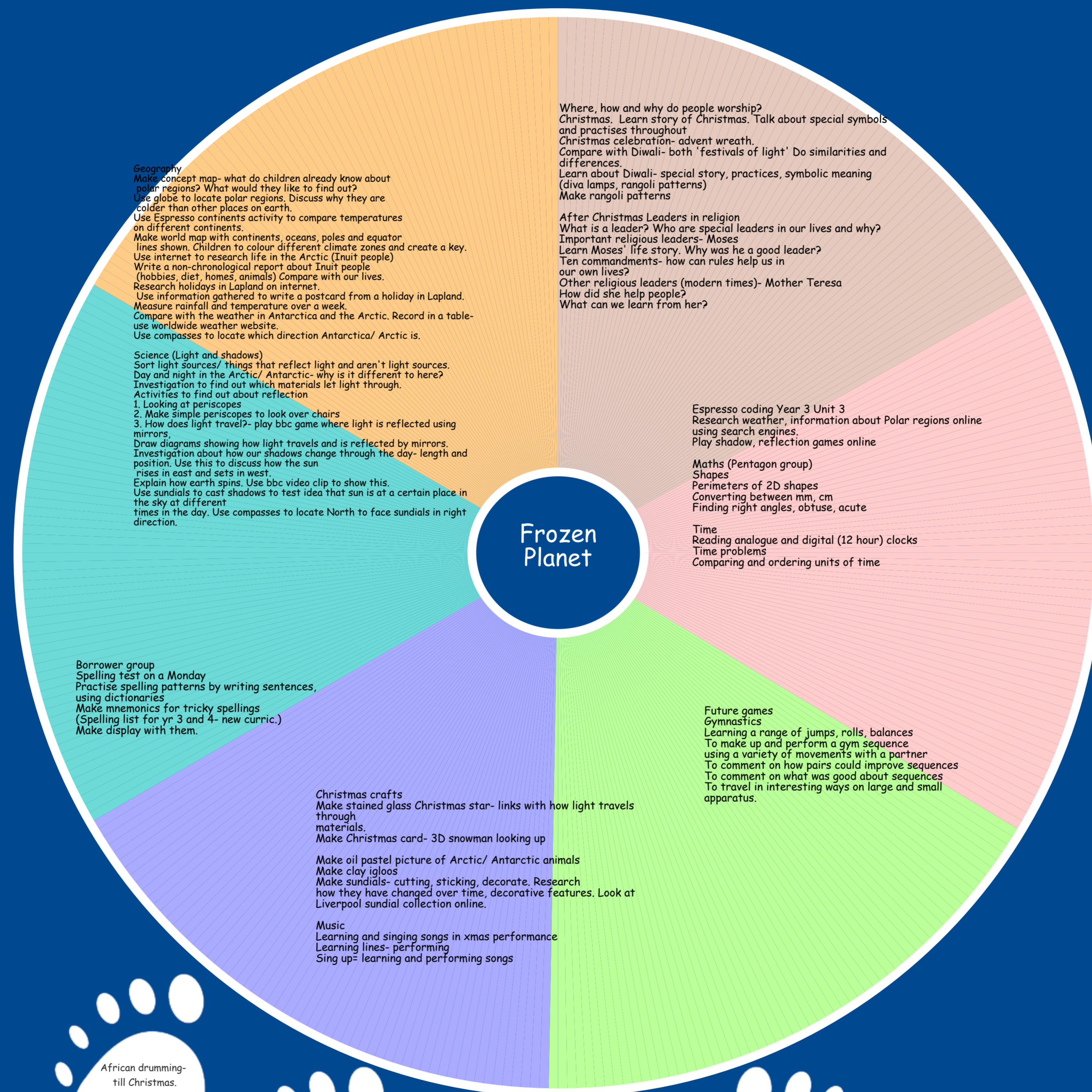
- Working scientifically LKS2**
- **sc31** During years 3 and 4, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:
 - **sc32** asking relevant questions and using different types of scientific enquiries to answer them
 - **sc33** setting up simple practical enquiries, comparative and fair tests
 - **sc34** making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers
 - **sc35** gathering, recording, classifying and presenting data in a variety of ways to help in answering questions
 - **sc36** recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
 - **sc37** reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions
 - **sc38** using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
 - **sc39** identifying differences, similarities or changes related to simple scientific ideas and processes
- Light LKS2**
- **sc50** recognise that they need light in order to see things and that dark is the absence of light
 - **sc51** notice that light is reflected from surfaces
- sc53** recognise that shadows are formed when the light from a light source is blocked by a solid object
- **sc54** find patterns in the way that the size of shadows change.
- Location knowledge LKS2**
- **ge28** I can identify North and South America on a map or globe
 - **ge30** I can talk about the environmental regions and key human and physical characteristics of the countries I can identify
 - **ge36** I understand latitude and can locate and name the Equator, Northern and Southern hemispheres, the Tropics of Cancer and Capricorn and the Arctic and Antarctic circles
- Place knowledge LKS2**
- **ge38** I can describe the geographical similarities and differences of the physical features of contrasting locations in the UK, Europe and a region of North and South America
- Human and physical geography LKS2**
- **ge39** I understand physical geography in relation to climate zones, biomes and vegetation belts
- Geographical skills and fieldwork LKS2**
- **ge46** I can use a variety of paper-based and digital resources to locate and identify places and features around the world
 - **ge47** I can read and understand eight points of a compass

LITERACY

- Reading - word reading LKS2**
- **e135** apply their growing knowledge of root words, prefixes and suffixes (etymology and morphology) as listed in English Appendix 1, both to read aloud and to understand the meaning of new words they meet
 - **e136** read further exception words, noting the unusual correspondences between spelling and sound, and where these occur in the word.
- Reading - comprehension LKS2**
- **e140** using dictionaries to check the meaning of words that they have read
- Writing - transcription - Spelling LKS2**
- **e155** use further prefixes and suffixes and understand how to add them (English Appendix 1)
 - **e156** spell further homophones
 - **e157** spell words that are often misspelt (English Appendix 1)
 - **e159** use the first two or three letters of a word to check its spelling in a dictionary
 - **e160** write from memory simple sentences, dictated by the teacher, that include words and punctuation taught so far.

EXPRESSIVE ARTS AND DESIGN

- LKS2**
- **ad11** I can describe the range of materials I have used since being in KS1
 - **ad12** I can show examples of drawing using pencil and charcoal.
 - **ad13** I can show examples of painting with different kinds of paint
 - **ad14** I can show examples of my work in clay
- Design LKS2**
- **dt27** I can communicate my ideas through annotated sketches
 - **dt29** I can make a model of my design
- Make LKS2**
- **dt32** I can select and use appropriate tools and techniques for my product
 - **dt33** I can measure, mark, cut and shape a range of materials accurately
- **dt34** I can join, assemble and combine components with precision
 - **dt35** I can use appropriate finishing techniques to strengthen and improve the appearance of my product
- Evaluate LKS2**
- **dt41** I know about some significant developments in technology that have helped to shape the world
- LKS2**
- **mu11** I can sing in a group, or on my own, with expression, awareness of others and in tune
 - **mu12** I can play instruments with accuracy and control
 - **mu13** I can play instruments with fluency and expression to reflect the intentions of the music
 - **mu16** I can listen carefully and perform accurately from memory



PSED & RELIGIOUS EDUCATION

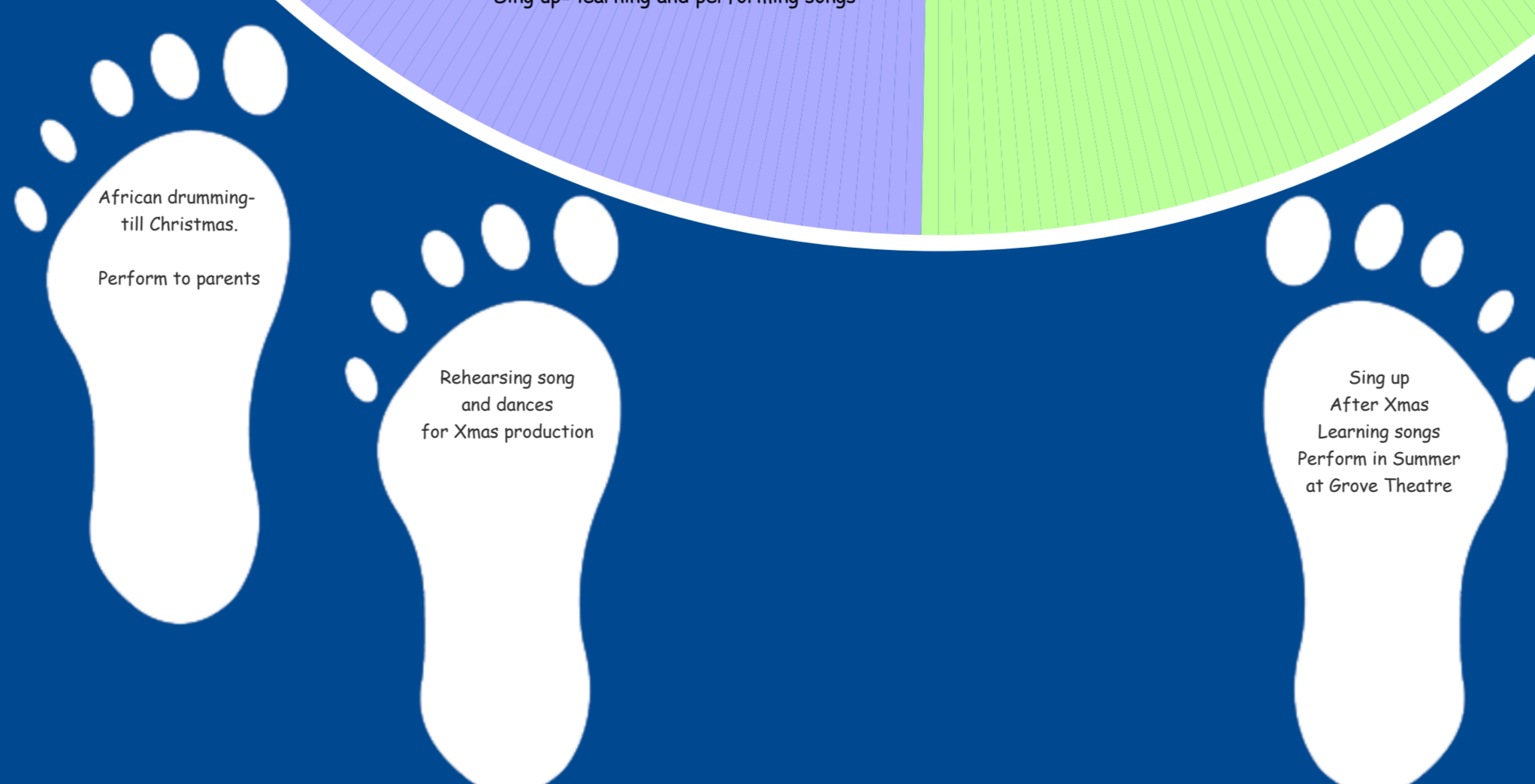
- 0 LKS2**
- Describe the key aspects of religions, especially the people, stories and traditions that influence the beliefs and values of others.
 - Describe the variety of practices and ways of life in religions and understand how these stem from, and are closely connected with, beliefs and teachings.
 - Identify and begin to describe the similarities and differences within and between religions.
 - Use specialist vocabulary in communicating their knowledge and understanding.
 - Reflect on what it means to belong to a faith community, communicating their own and others' responses.
 - Reflect on sources of inspiration in their own and others' lives.
- RE - Learning From Religion LKS2**
- **rf21** Reflect on what it means to belong to a faith community.
 - **rf23** Identify how commitment to a religion is shown.
 - **rf24** Discuss their own religious beliefs.
- Learning About Religion LKS2**
- **ra19** Begin to describe the key aspects of religions, especially the people, stories and traditions that influence the beliefs and values of others.
 - **ra20** Begin to describe the variety of practices and ways of life in religions.
 - **ra21** Identify and begin to describe the similarities in religions.
 - **ra23** Begin to consider the meaning of a range of forms of religious expression.
 - **ra24** Begin to learn specialist vocabulary to communicate their knowledge and understanding.

MATHEMATICS AND COMPUTING

- Measurement LKS2**
- **m103** measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
 - **m104** measure the perimeter of simple 2-D shapes
 - **m106** tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks
 - **m107** estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight
 - **m108** know the number of seconds in a minute and the number of days in each month, year and leap year
- Geometry - properties of shapes LKS2**
- **m111** recognise angles as a property of shape or a description of a turn
 - **m112** identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle
- LKS2**
- **co14** I can design, write and debug simple programs to control or simulate physical systems
 - **co15** I can solve problems by breaking them down into progressive steps
 - **co16** I am aware that programs follow a sequence from one instruction to the next
 - **co18** I can make a program repeat a set of instructions (using FOR-NEXT)
 - **co20** I can use a variety of inputs (keyboards/keypads/switches) to enter data into a program
 - **co21** I can write a program to produce a variety of outputs (screen displays/ wheel movements/ lights)
 - **co24** I can use search technologies effectively
 - **co25** I am aware that information from some sources may not be accurate

PHYSICAL EDUCATION

- LKS2**
- **pe6.1** I can perform fluent gymnastics sequences to demonstrate my control and balance



Frozen Planet - Stage Coverage

UNDERSTANDING THE WORLD

Working scientifically **LKS2**

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Light **LKS2**

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- **sc54** find patterns in the way that the size of shadows change.

Location knowledge **LKS2**

- **ge28** locate the world's countries, using maps to focus North and South America,
- **ge30** locate the world's countries, using maps to focus on their environmental regions, key physical and human characteristics
- **ge36** identify the position and significance of longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle

Place knowledge **LKS2**

- **ge38** understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a European country, and a region within North or South America

Human and physical geography **LKS2**

- **ge39** physical geography, including: climate zones, biomes and vegetation belts

Geographical skills and fieldwork **LKS2**

- **ge46** use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied
- **ge47** use the eight points of a compass

MATHEMATICS AND COMPUTING

Measurement **LKS2**

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LKS2

- **co14** design, write and debug programs, controlling or simulating physical systems
- **co15** solve problems by decomposing them into smaller parts
- **co16** use sequence in programs
- **co18** use repetition in programs
- **co20** use various forms of input
- **co21** use various forms of output
- **co24** use search technologies effectively
- **co25** be discerning in evaluating digital content

PHYSICAL EDUCATION

LKS2

- **pe6.1** develop flexibility, strength, technique, control and balance, for example gymnastics

EXPRESSIVE ARTS AND DESIGN

LKS2

- **ad11** to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials (e.g. pencil, charcoal, paint, clay)
- **ad12** to improve their mastery of art and design techniques, including drawing with pencil and charcoal
- **ad13** to improve their mastery of art and design techniques, including painting with a range of materials
- **ad14** to improve their mastery of art and design techniques, including sculpture with a range of materials including clay.

Design **LKS2**

- **dt27** generate, develop, model and communicate their ideas through discussion and annotated sketches
- **dt29** generate, develop, model and communicate their ideas through prototypes

Make **LKS2**

- **dt32** select from and use a wider range of tools and equipment to perform practical tasks
- **dt33** use a wider range of tools and equipment to perform practical tasks accurately
- **dt34** use a wider range of tools and equipment to perform practical tasks, such as joining accurately
- **dt35** select from and use a wider range of tools and equipment to perform practical tasks, such as finishing, accurately

Evaluate **LKS2**

- **dt41** understand how key events in design and technology have helped shape the world

LKS2

- **mu11** perform in solo and ensemble contexts, using their voices with increasing accuracy, fluency, control and expression
- **mu12** play musical instruments with increasing accuracy
- **mu13** play and perform in solo and ensemble contexts, using their voices and playing musical instruments with fluency and expression
- **mu16** listen with attention to detail and recall sounds with increasing aural memory

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