

## UNDERSTANDING THE WORLD

Working scientifically UKS2

· sc82 recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs

Living things and their habitats UKS2 · sc102 describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals

· sc103 give reasons for classifying plants and animals based on specific characteristics.

Human and physical geography UKS2

· ge66 I understand human geography in relation to types of settlement and land-use

· ge67 I can talk about goods and produce; where it is sold and how it is transported and how trading nations are interdependent.

· ge68 I can talk about natural resources including energy, food, minerals and water and their importance nationally and globally

· ge69 I can explain why the distribution of natural resources is important both within the UK and worldwide

This term we will be looking at classifying species. We will begin by exploring the virtual Tolkien universe before moving on to living things on Earth. (Including creating and using classification keys.)

Geography
This term we will be looking at geography within the
Tolkien universe and discuss settlements, trading links and natural resources. We will then link this

with the world around us. (Including EU)

knowledge to the United Kingdom and relationships

PSED
This term we will be looking at the global issue of conservation and creating arguments and persuasive writing around this issue. We will then link this to our own environment and explore the needs of our own community.

### MATHEMATICS AND COMPUTING

**Algebra** UKS2

two variables.

m238 use simple formulae m239 generate and describe linear number

sequences m240 express missing number problems

algebraically m241 find pairs of numbers that satisfy an

equation with two unknowns

m242 enumerate possibilities of combinations of

Geometry - properties of shapes UKS2

m250 draw 2-D shapes using given dimensions and

m251 recognise, describe and build simple 3-D

shapes, including making nets m252 compare and classify geometric shapes

based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and

regular polygons m253 illustrate and name parts of circles,

find missing angles.

including radius, diameter and circumference and know that the diameter is twice the radius m254 recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and

· co31 I can design, write and debug simple programs to control or simulate physical systems · co32 I can solve problems by breaking them down

into progressive steps

· co33 I am aware that programs follow a sequence from one instruction to the next

· co34 I can make a program select a particular set of instructions (using IF-ELSE-END)

· co35 I can make a program repeat a set of instructions (using FOR-NEXT)

• co36 I know that a variable is a piece of stored information (numbers or a 'string' i.e. a sequence of characters)

· co38 I can write a program to produce a variety of outputs (screen displays/wheel movements/lights) · co39 I can use logical reasoning to interpret how an algorithm works and thus rectify any errors

This term in maths we will be exploring algebra and geometry.

Algebra
In algebra we will begin looking at simple formulae
and missing number problems, before moving on to
satisfying number sentences involving two unknowns.

In geometry this term we will be exploring and creating 2D and 3D shapes before looking at finding missing angles in triangles and quadrilaterals. We will also begin to investigate circles.

Computing
This term we will use computing programmes to create simple games that follow a sequence using repeating instructions and variables that produce a variety of

The Hobbit This half term in physical education we will be working on our gymnastics skills, improving our spinning/ turning/ holes and barriers and using

when creating sequences. We will also be improving our skills in games through hockey.

Developing the use of tactics and strategies as well as attacking and defending.

English
This term we will be reading the Hobbit as a class. We will use this

as a focus for our writing and discussions around a text.

In our reading we will focus on inferences, using evidence to support our answers and using context to work out the meaning of words.

In our writing we will continue to look at cohesive devices, clauses and punctuation. We will also begin to look at different devices for creating atmosphere including metaphors, personification, adverbial phrases and embedded subordinates.

## EXPRESSIVE ARTS AND DESIGN

UKS2

· ad19 I can show examples of painting with different kinds of paint ad20 I can show examples of my work in clay

· ad21 I can talk about some famous artists, architects and designers from the past

This term in art we will be looking at Charles Angrand and pointillism. We will explore the life and work of the artist before using his style to create images from our reading. We will also be using clay to sculpt 3D models of creatures we learn about through our reading and classify in science.

#### PSED & RELIGIOUS EDUCATION

PSED Developing confidence and responsibility

and making the most of their abilities UKS2 • pc42 Talk, write and explain their views on issues that affect the global environment.

• pc48 Identify needs of the wider community and develop their roles and responsibilities as members.

# PHYSICAL EDUCATION

• pe12 I can play competitive net, striking, fielding and invasion games

• pe12.1 I can describe both attacking and defending tactics and strategies and begin to apply

• pe13.1 I can perform fluent gymnastics sequences to demonstrate my control and balance

## LITERACY

Reading - comprehension UKS2

• e210 understand what they read by: · e211 checking that the book makes sense to them, discussing their understanding and exploring the meaning of words in context

• e212 asking questions to improve their understanding

 e213 drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence

• e214 predicting what might happen from details stated and implied

· e215 summarising the main ideas drawn from more than one paragraph, identifying key details that support the main ideas

• e216 identifying how language, structure and presentation contribute to meaning

• e217 discuss and evaluate how authors use language, including figurative language, considering the impact on the reader

· e218 distinguish between statements of fact and

• e219 retrieve, record and present information from non-fiction

• e220 participate in discussions about books that are read to them and those they can read for themselves, building on their own and others' ideas and challenging views courteously

• e222 provide reasoned justifications for their

Writing - transcription - Spelling UKS2 • e223 use further prefixes and suffixes and understand the guidance for adding them • e224 spell some words with 'silent' letters [for example, knight, psalm, solemn] • e225 continue to distinguish between homophones

and other words which are often confused e226 use knowledge of morphology and etymology in spelling and understand that the spelling of some words needs to be learnt specifically, as listed in English Appendix 1

what pupils have read, listened to or seen performed • e237 draft and write by: • e238 selecting appropriate grammar and vocabulary, understanding how such choices can

authors have developed characters and settings in

• e236 in writing narratives, considering how

change and enhance meaning • e239 in narratives, describing settings, characters and atmosphere and integrating dialogue to convey

character and advance the action • e240 précising longer passages • e241 using a wide range of devices to build

cohesion within and across paragraphs • e242 using further organisational and presentational devices to structure text and to guide the reader [for example, headings, bullet

points, underlining]

• e243 evaluate and edit by: • e244 assessing the effectiveness of their own and others' writing

• e245 proposing changes to vocabulary, grammar

and punctuation to enhance effects and clarify

• e246 ensuring the consistent and correct use of tense throughout a piece of writing • e247 ensuring correct subject and verb agreement when using singular and plural, distinguishing between the language of speech and writing and choosing the appropriate register • e248 proof-read for spelling and punctuation

• e249 perform their own compositions, using appropriate intonation, volume, and movement so that meaning is clear.

Writing - vocabulary, grammar and punctuation

• e250 develop their understanding of the concepts set out in English Appendix 2 by: • e251 recognising vocabulary and structures that

are appropriate for formal speech and writing, including subjunctive forms • e227 use dictionaries to check the spelling and • e252 using passive verbs to affect the

| The Hobbit - Stage Coverage  |  |                    |   |  |                            |
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| UNDERSTANDING THE WORLD  | MATHEMATICS AND COMPUTING  | PHYSICAL EDUCATION | EXPRESSIVE ARTS AND DESIGN  | LITERACY   | PSED & RELIGIOUS EDUCATION |
| sc82 recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs  Living things and their habitats UKS2     sc102 describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals     sc103 give reasons for classifying plants and animals based on specific characteristics.  Human and physical geography UKS2     ge66 human geography, including: types of settlement and land use     ge67 human geography, including economic activity including trade links     ge68 human geography, including natural resources including energy, food, minerals and water     ge69 human geography, including the distribution of natural resources including energy, food, minerals and water | polygons • m253 illustrate and name parts of circles, including radius, diameter and circumference and know that |                    | uKS2  • ad19 to improve their mastery of art and design techniques, including painting with a range of materials  • ad20 to improve their mastery of art and design techniques, including sculpture with a range of materials including clay.  • ad21 about great artists, architects and designers in history. | Reading - comprehension UKS2  • e210 understand what they read by: • e211 checking that the book makes sense to them, discussing their understanding and exploring the meaning of words in context  • e212 asking questions to improve their understanding • e213 drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence • e214 predicting what might happen from details stated and implied • e215 summarising the main ideas drawn from more than one paragraph, identifying key details that support the main ideas • e216 identifying how language, structure and presentation contribute to meaning • e217 discuss and evaluate how authors use language, including figurative language, considering the impact on the reader • e218 distinguish between statements of fact and opinion • e220 participate in discussions about books that are read to them and those they can read for themselves, building on their own and others' ideas and challenging views courteously • e222 provide reasoned justifications for their views.  Writing - transcription - Spelling UKS2 • e223 use further prefixes and suffixes and understand the guidance for adding them • e224 spell some words with 'silent letters (for example, knight, psalm, solemn) • e225 use knowledge of morphology and etymology in spelling and understand that the spelling of some words needs to be learnt specifically, as listed in English Appendix 1 • e227 use dictionaries to check the spelling and meaning of words • e228 use the first three or four letters of a word to check spelling, meaning or both of these in a dictionary • e229 use a thesaurus.  Writing - handwriting and presentation UKS2 • e230 write legibly, fluently and with increasing speed by: • e231 choosing which shape of a letter to use when given choices and deciding whether or not to join specific letters • e232 choosing the writing implement that is best suited for a task.  Writing - composition UKS2 • e233 plan their writing by: • e234 identifying t |                            |

