

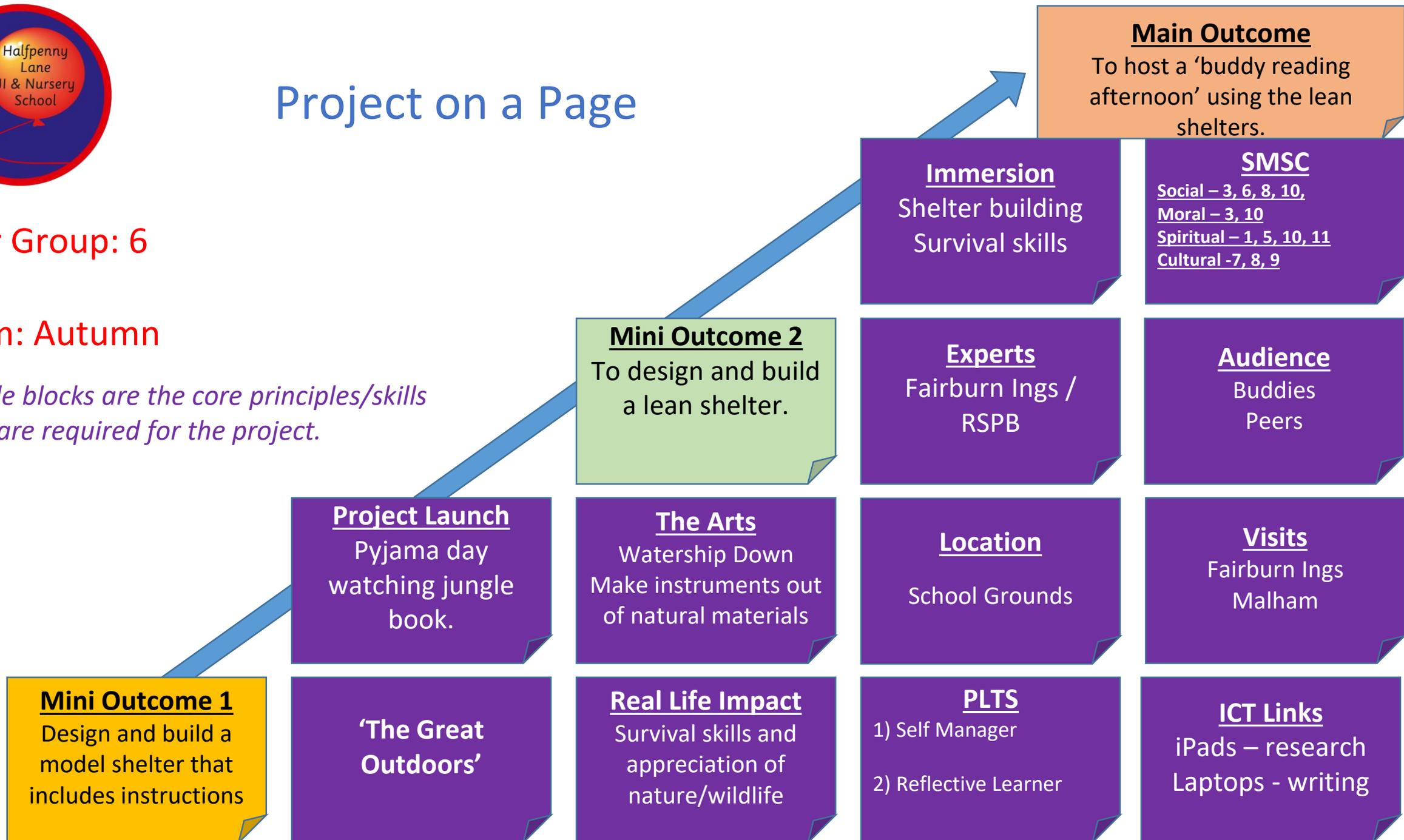


Project on a Page

Year Group: 6

Term: Autumn

Purple blocks are the core principles/skills that are required for the project.





Maths:

Number and Place Value

- 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.
- use negative numbers in context, and calculate intervals across zero
- solve number and practical problems that involve all of the above.

Number – addition, subtraction, multiplication and division

- multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication
- divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context.
- divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context.
- perform mental calculations, including with mixed operations and large numbers.
- identify common factors, common multiples and prime numbers .
- use their knowledge of the order of operations to carry out calculations involving the four operations.
- solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
- solve problems involving addition, subtraction, multiplication and division.
- use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy

Art

- to create sketch books to record their observations and use them to review and revisit ideas
- to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay.



Mini Outcome 1
Design and build a model shelter that includes instructions

English:

Writing:

- identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own
- noting and developing initial ideas, drawing on reading and research where necessary
- selecting appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning
- using further organisational and presentational devices to structure text and to guide the reader [e.g. headings, bullet points, underlining]
- assessing the effectiveness of their own and others' writing
- proposing changes to vocabulary, grammar and punctuation to enhance effects and clarify meaning
- proof-read for spelling and punctuation errors

SPAG

- using expanded noun phrases to convey complicated information concisely
- using modal verbs or adverbs to indicate degrees of possibility
- using relative clauses beginning with who, which, where, when, whose, that or with an implied (i.e. omitted) relative pronoun
- using commas to clarify meaning or avoid ambiguity in writing
- punctuating bullet points consistently

Speaking and Listening

- listen and respond appropriately to adults and their peers
- ask relevant questions to extend their understanding and knowledge

Reading

- distinguish between statements of fact and opinion
- retrieve, record and present information from non-fiction
- checking that the book makes sense to them, discussing their understanding and exploring the meaning of words in context
- asking questions to improve their understanding

French (KS2 only)

- listen attentively to spoken language and show understanding by joining in and responding
- explore the patterns and sounds of language through songs and rhymes and link the spelling, sound and meaning of words

Music

- listen with attention to detail and recall sounds with increasing aural memory
- appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians
- use and understand staff and other musical notations

Science

- give reasons for classifying plants and animals based on specific characteristics.
- describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals
- recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago
- recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents
- identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.

Geography

- name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time.
- describe and understand key aspects of physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle
- use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied

PE

- take part in outdoor and adventurous activity challenges both individually and within a team
- hockey, netball, rounders and tennis], and apply basic principles suitable for attacking and defending

History

PSHE

DT

Computing

R.E