Are you a **Home Explorer**?

- **Organise a field trip!** Locate a coastline– and locate it on a map, then visit it.

- **Form an opinion:** Should we protect properties affected by coastal ero-

Wow moments

- SATs week!

How are our coastal areas changing?

Time to

celebrate!

Create a beach erosion model

Expert knowledge:

- Ocean processes: waves are created by the movement of air across the sea.

- Tides are created by the gravitational pull of the moon.

- The sea's waves lead to hydraulic action and erosions of the land.

- The land is made up of different rocks, some hard some soft, leading to bays and headlands. Further erosion leads to cracks, caves, arches, stacks and stumps.

- Coasts are where the land meets the ocean: this can take different forms such as beach (sand, shingle, pebble) and cliffs.

- Coastal erosion can threaten land use, and so beach protection measures, such as rock armour, groynes, and sea walls, are created.

- Longshore drift is the process through which sediment is moved across a beach.

Maths: Revision of:

- use simple formulae

- multiply and divide multi-digit numbers up to 4 digits by a two-digit whole number using long multiplication and long division

- divide and multiply proper fractions by whole numbers

- add and subtract fractions with different denominators and mixed numbers, using equivalent fractions

- recall and use equivalences between simple fractions, decimals and percentages, including in different contexts

- Calculate percentages of amounts

- use negative numbers in context, and calculate intervals across 0

- use knowledge of the order of operations to carry out calculations involving the 4 operations

- solve addition and subtraction multi-step problems

- use, read, write and convert between standard units

- Calculate the area and perimeter of different shapes

- recognise, describe and build simple 3-D and 2-D shapes

- describe positions on the full coordinate grid

- describe positions on the full coordinate grid

- solve number and practical problems that involve all of the above

Science:

- 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

- give reasons for classifying plants and animals based on specific characteristics

- work scientifically by: using classification systems and keys to identify some animals and plants

PSHCE: Managing Change and Transitions

- everyday things that affect feelings and the importance of expressing feelings

- problem-solving strategies for dealing with emotions, challenges and change, including the transition to new schools

- to identify personal strengths, skills, achievements and interests and how these contribute to a sense of self-worth

How Are Our Coastal Areas Changing?

D & T

- Designing, researching and making a beach erosion model

Computing: Introduction to coding – python

- design, write and debug programs that accomplish specific goals

- use sequence, selection, and repetition in programs; work with variables and various forms of input and output

- use logical reasoning to explain how some simple algorithms work

PE:

Rounders- play competitive games, fielding, batting, bowling and throwing/catching

Athletics - develop flexibility, strength, technique, control and balance

Spanish

Yo En El Mundo (Me in the World)

English:

- Write a balanced argument
- Write an explanation of a process
- Write a newspaper article
- Create move-up mag portfolio of their best writing of the year

Geography

- To understand and learn about coastal formations

- Understanding the process of erosion and the impact it has on coastal regions

- Researching coastal areas in Britain and around the world

- Points of interest in coastal areas (human geography)

- Using the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps)

RE: What can we learn about the Christian faith from the Chronicles of Narnia?

- The death and resurrection of Jesus is central to the Christian faith

- Allegory and story can help people to understand difficult ideas about God.

- Christians believe that everyone is tempted to do wrong things and everyone does wrong at times

Music:

Composition using basic music software: how it works and introduction to instrument loops

Understanding a software instrument library with the aim of using a software band and creating own songs