

## 1. Easy Peasy...

Our easy level question is:
Using the map on this 'Explore Coverack' information board, starting at the Cliff fort beneath Lankidden, head along the coast.

How many creatures, (insects and animals) are there mentioned "in the sea" between here and Porthoustock?

## 2. Mind Twister...



Our medium level question is:
From this 'Maritime History' information board, add together the number of masts in all the images and multiply this total by the number of oars visible.

This total matches the last 2 digits of a year on this noticeboard.
What are the next 2 words immediately after this date?

## 3. Brain Buster...

## Discover Coverack's geology

Much of the Lizard Peninsula represents a slice of ancient ocean floor, pushed to the Earth's surface when two former continents collided At Coverack you can actually see the Moho the boundary between the Earth's crust and the Earth's mantle - laid flat across the beach.

As you walk south across the beach, you're travelling towards the centre of the Earth, from gabbro (crust) through a transition zone (the Moho) to deeper peridotite (mantle), now altered to serpentine. 380 million years ago these rocks were about 5 km below an ocean floor.


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Our hard level question is:
Using the Discover Coverack's geology notice board, take away the value of the depth between the mantle and the liquid core from the value of the deepest depth on the slice of the Earth.

Taking this total, use the cipher $1=A, 2=B$ etc, to convert the digits to letters.
Which word on the board contains all 4 of these letters - not necessarily in the same order?

## Answers:

Easy:
Heading from the Hill fort, the creatures (insects and animals) you encounter are, in order, Beagles Point, The Bees, The Oxen, Shark's Fin.

The total is 4 .

## Medium:

There are 8 mast on the various vessels depicted in each photo and 3 oars visible in the Pilchard fishing boat image. $8 \times 3=24$. This total matches the last 2 digits of 1724 in the first paragraph and the 2 words that immediately follow the date are "fishing boats".

## Hard:

The value of the depth between the mantle and the liquid core is 2,900 .
The value of the deepest depth on the slice of the Earth, is $6,378.6,378-2,900$ gives a total of 3,478 . Using the cipher of $1=A, 2=B$ etc, each digit translates as follows: $3=C, 4=\mathrm{D}, 7=\mathrm{G}$ and $8=\mathrm{H}$. The only word on the whole board that contains all 4 of these letters (but not in the same order) is "changed", which can be found in the paragraph under "A slice of the Earth".

