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| Stories |
| Rock art |
| Making mountains |
| Too close for comfort |
| Magnificent walk |
| Mountain in winter |
| Hampshire fossils |
| Sue the dinosaur |

1. What is the name of the rock in the photo?
2. How are some mountains formed?
3. What is the slow way the Earth makes mountains?
4. What does the red in the photo show?
5. Where did it come from?
6. What shaped the north of Skye?
7. Why does that make the walking there spectacular?
8. What type of rock is the snow-clad mountain in the photo mostly made of?
9. Where are some of the best places for fossil hunting in England?
10. What are the cliffs above the Solent made of?
11. What does the weather do to the cliffs?
12. So that means you can often find fossils from the cliffs where?
13. What do you have to be careful of if you’re fossil hunting there?
14. What is Sue?
15. Do we know that she’s a female?
16. What two words, early in the story, tell you that almost all Sue’s fossil bones were found?

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| Stories |
| Dinosaur body bits |
| Rock the soil |
| Croc of veg |
| Prehistoric poo |

1. What is a dinosaur fossil, usually?
2. What do fossil dinosaur teeth tell us that other body parts cannot?
3. What does life as we know it need under its feet (if it has any)?
4. But if you go out into the country and look down, you see what?
5. What do crocodiles eat nowadays?
6. What did they used to eat, long ago?
7. How do we know this?
8. What do teeth look like when their owner hunts meat?
9. What do teeth look like when their owner eats seeds and plants?
10. What is in the picture?
11. What was around at the time that ate almost all of it before it could be fossilised?
12. What happened to the small amounts that got fossilised to prevent them being eaten?
13. What king of dinosaur fossil is much more common nowadays than their poo?
14. What can fossil poo tell us about the dinosaurs that left it behind?

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| Stories |
| Looking for Martians |
| Living with lava |
| Soil specialist |
| Give it a good squeeze |
| Soil texture |

1. What is the robot ExoMars designed to look for?
2. Why is there little chance of finding life there now?
3. What kind of evidence of past life is it looking for?
4. Where is it looking for that evidence?
5. What is lava?
6. Suzie mentions two reasons she grows her own food. State one of them?
7. How does lava usually move?
8. What are the ingredients of soil?
9. Different what gives you different types of soil?
10. What method does my son use to figure out the ingredients in a soil?
11. What word does young Doug use to describe the test that doesn’t get your hands all messy?
12. Soil is a mix of two ingredients; what’s the one mentioned first in this story?
13. What is the soil ingredient mentioned second?
14. What is soil texture all about?
15. How many different sizes of rock particles are there in soil?
16. What are their names?

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| Stories |
| Sand, silt and clay |
| Loam |
| It goes splat! |

1. What type of soil has mostly big particles of rock in it?
2. What’s good about sandy soil/
3. What’s one disadvantage of sandy soil?
4. What’s another disadvantage of sandy soil?
5. What size of rock particles does clay soil have?
6. What’s one disadvantage of clay soil?
7. What’s another disadvantage of clay soil?
8. If soil has a nice mix of sand, silt and clay particles what does that create?
9. Why is that good?
10. Which size of rock particle do you want less of for a perfect soil?
11. Why do you want less of those?
12. What is the name of soil with just the right mix of all three rock particles?
13. What happens if something hits the Earth at 26,000 miles an hour?
14. How big is the crater left by the rock that hit Arizona 50,000 years ago?
15. Where can you arrange to handle bits of the meteorite without going all the way to Arizona?

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| Stories |
| Fascinating fish fossils |

1. What does the fossil from Japan show?
2. What do scientists think might have happened to kill and bury them?
3. What is it about the fossils that suggests they were swimming in shoals is the same way as fish do today?
4. Two rules are mentioned that fish use to swim in shoals; what is the first?
5. `What is the second?
6. Group behaviour like swimming in shoals is seen in other animals besides fish. Name one.