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| Stories |
| Rock art  |
| Roaming the Earth  |
| Big nest  |
| Magnificent walk  |
| Too close for comfort  |
| Mountain in winter  |
| Making mountains  |
| Beth the builder  |
| Fossil floor  |
| Hampshire fossils  |
| Sue the dinosaur  |

1. Do you think it looks like art?
2. Where have fossils of dinosaurs been found?
3. How do we know some dinosaurs laid their eggs in large nests?
4. What makes walking on Skye spectacular?
5. Would you like to live in that town?
6. Can you think why people might want to live there, even with lava nearby?
7. Why doesn’t the mountain look red?
8. State one way that mountains can be made.
9. What was Beth moaning about?
10. Why did Tom think that was good?
11. What is the new museum mainly built of?
12. What is different about the floor?
13. Where are some of the best places for fossil hunting in England?
14. What are the cliffs made of?
15. What do you need to be careful of, if you’re fossil-hunting there?
16. Why is the dinosaur called ‘Sue’?
17. State one thing special about her fossil.

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| Stories |
| Cool rock  |
| Dinosaur body bits  |
| Rock the soil  |
| Prehistoric poo  |
| Oil fields  |
| Living with lava  |
| Mountain view  |
| Soil specialist  |
| Give it a good squeeze |

1. Give one reason marble works well in statues.
2. What kind of rock is marble?
3. What does that mean has happened to it?
4. What is all you often get with a dinosaur fossil?
5. What else might you get? What can that tell you?
6. Why couldn’t you have been born on Jupiter?
7. What do you usually see under your feet, when you get out of town?
8. What is dinosaur poo made of (read carefully)?
9. What can it tell scientists if they’re lucky enough to find some?
10. State two uses for Andy’s rapeseed oil.
11. Why is rapeseed oil good for you?
12. Why is it good for honeybees?
13. How can Suzy see if the lava is getting closer?
14. Do you think you’d enjoy living near Suzy?
15. What can you say about the headteacher’s directions?
16. From what kind of rock are the Black Cuillin mountains made?
17. What does that mean has happened to the rock?
18. What does my son do for a living?
19. What is soil?
20. The ----------- in a soil give it its texture.
21. How do experts like my son tell the texture of a soil?

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| Stories |
| Soil texture  |
| Sand, silt and clay  |
| Licking rocks  |
| Hobbit mountain shrunk  |
| Rich volcanic soil  |
| Pinhead pieces of rock  |
| Mountain view  |
| Soil specialist  |
| Loam |

1. Soil texture is all about the ---- of the rock particles in it.
2. How many different sizes are the particles divided into?
3. State one advantage of sandy soil.
4. State one disadvantage.
5. State two disadvantages of clay soil.
6. Why are there few places on Earth like Mars?
7. State one surprising way that geologists can learn about a rock.
8. What causes mountains to shrink?
9. Why is this part of New Zealand quite famous?
10. What is the name of the largest volcano on Earth?
11. What is the name of the most active volcano?
12. Why did some of the earliest civilizations begin near volcanoes?
13. What are the medium sized particles in soil called?
14. What are the small particles called?
15. Why does clay get wet and heavy?
16. If a sand particle was blown up to the size of a basketball, what size would a clay particle be?
17. Give two reasons spaces in soil are good for plants.
18. Why does good soil have less particles of clay than of sand and silt?
19. What’s the name given to soil that has a nice mix of sand, silt and clay particles?

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| Stories |
| Soil texture test  |
| Soil texture test (part 2)  |
| Soil texture test (part 2)  |
| Soil triangle  |
| Engineering art  |

1. Why did I use the soil in a bottle test instead of squishing it, like my son would?
2. After giving it a good shake, how long do I leave the soil and water in the jar?
3. Which particles settle out right at the bottom of the jar?
4. Can you think why?
5. Which particles settle out next?
6. Which are on top of the others?
7. What’s the very handy tool called?
8. There are two directions from each point on a side, but I know which direction to draw my line, because it’s always the one on the left or right?.
9. What does the place the lines cross tell me?
10. What is that colourful picture?
11. What kind of soil do I have?
12. From the triangle, what kind of soil would I have if it was 20% clay, 30% silt and 50% sand?
13. What kind would it be with just a little more sand than that?
14. What are these images of?
15. Why does Paul like them?
16. What does Paul do for a living?
17. Can you think what’s happening to make rock look so varied and appealing?