Video question script, Earth Science for Years 1 and 2. Starter: Pirates and buried treasure

Question/Activity	Likely response	Rationale
Let's pretend we are pirates. Talk with your friends and tell them what you know about pirates. *Picture of a pirate*	Could be anything!	Preparation for the activity
Now let's pretend that a pirate ship is being chased by the Royal Navy and the pirates have to hide the precious things that they have stolen from other ships. They have come to an island. How could they hide their treasures quickly? *Picture of Royal Navy ship of 18th C.*	Most will say, *"bury it"* and some will think of using a sandy beach.	Construction = applying their previous knowledge
Now let's pretend that the pirates never came back and that we have found their buried treasure on a sandy beach. How could we find what they have left?	Sand tray with one "precious" item sticking out. Pupils will say, *"Dig things up".* Let's start. Dig up 2 or 3 items and lay them on top of the sand.	Construction = applying their previous knowledge
We shall dig up all the items we can find. If you have a treasure tray in school you can do it, but this is what I have found in my sand tray.	Sheet of card with all the items displayed.	-
Now, I need you to help me to sort out the treasures before I put them away in my treasure chest. Look at each one and think about how you are going to group them, so that things belong together.	Decisions about grouping similar objects will vary widely within the class, but all systems are valid to the children. Demonstrate my choice.	Construction as evidence builds up and is evaluated. Cognitive conflict when pupils disagree about their groupings.
One piece of treasure is a naturally-formed crystal, which originally came from the Earth. Some treasures are made in factories from other things. Where do you think all the materials came from that we see in our treasures?	Display a crystal and then gradually all the others and show that ultimately all the materials came from the Earth.	Discussion about the activity is metacognition.