

# Extra information...



## What is sand?

Teachers Notes	<ul style="list-style-type: none"><li>• Introduces the term 'aggregate' and sand as an aggregate</li><li>• Explains silica sand as a local product</li></ul>
Fieldwork Information	<ul style="list-style-type: none"><li>• Visit a working sand quarry (must be arranged through mineral companies)</li><li>• Visit a builders merchant</li></ul>
Follow-up Ideas	<ul style="list-style-type: none"><li>• Use sieves to sort and class grain sizes in different types of aggregates</li><li>• Obtain and investigate different types of sand from a local quarry</li><li>• Make sand towers using layers of different Leighton Buzzard sand or pictures using the sand</li></ul>
Sandpit kit Links	<ul style="list-style-type: none"><li>• Photographs of sand grains</li><li>• Sand tower illustrating variety of sand from Leighton Buzzard</li><li>• Bags of sand</li><li>• Quarry Products Association video - What's in a quarry?</li><li>• Sand sieves for sorting and grading sand</li></ul>
Curriculum Links	<p>GEOGRAPHY</p> <ul style="list-style-type: none"><li>• Using appropriate geographical vocabulary</li></ul> <p>SCIENCE</p> <ul style="list-style-type: none"><li>• Describing rocks and soils through characteristics</li><li>• Solid particles can be separated by sieving</li></ul>

# AGGREGATES - What is sand?

Different aggregates



SAND is an aggregate with a small grain size quarried in Leighton Buzzard. Gravel and crushed rock are aggregates with a larger grain size.

AGGREGATE is a term used for rock broken down into small pieces.

There are many types of sand with grain size varying from 0.5mm to 3mm.

SILICA SAND is a valuable, high quality type of sand quarried mainly in the Leighton Linslade and Heath and Reach area. The grains are a special shape and the high quality of this pure sand means that it is used to make glass (such as that in microscopes) and is also used in water filtration.

Choose the correct ending for each sentence by crossing out the wrong answer

1. Sand is used for making....  
glass OR cakes
2. Leighton Buzzard is well known for its....  
sand quarries OR glass making
3. Leighton Buzzard Silica sand is very....  
high quality OR low quality
4. Aggregate is the term used to describe rock....  
from outer space OR broken down into small pieces

Silica sand grain shape is classed between **ROUNDED** and **SUB ROUNDED**.  
Tick the correct box below for the shapes that represent silica sand.

Well rounded	Rounded	Sub rounded	Sub angular	Angular
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Most sand is made up of different minerals and pieces of broken down rock. Pure silica sand contains a lot of quartz and very little other rock - nature has sorted it.

Name

