Year 6 Summer 1 Rivers and The Water Cycle

earning objectives	Key vocabulary		l
for this topic			
 To understand and explain the water cycle. To find out about rivers and how they erode, transport and deposit materials To find out why 	Erosion Mydraulic action – as the water is forced into the sides of the river channel, air is compressed in the small cracks in the rock. Tiny fragments of rock get broken away as the process is repeated many times. Abrasion – the river picks up eroded rocks, pebbles and sand. The material then rubs against the channel, wearing it away. Attrition – eroded materials in the river bump into each other and eventually wear each other down. Over time, the materials become smaller and more rounded.	http://www.fa https://www.n resource http://www.pr https://www.b	
 rivers are important. To find out about the causes of river pollution and the effect it has on the environment To investigate a river in detail including the effects on the environment and landscape 	Solution - water reacts with minerals in rocks and the structure of the rock is changed. Vertical Erosion - deepens the river, forming a v-shaped valley/channel. High turbulence carries material which wears away the river bed, especially in the upper course. Lateral Erosion - widens the river valley/channel, especially in the middle/lower course. Transportation Traction - material carried by the		s profile of tion of the tion of the Upper Cours Bleep graties Low years, arti- garges, arti-
	Saltation - material carried by the river is bounced along the river bed. Suspension - material is carried by the river water. Solution - soluble material is dissolved and carried by the river water. Deposition Rivers deposit eroded material when they lose	Channel	Narrow are shallow chan

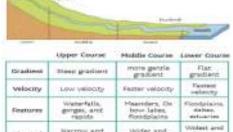
speed

Useful websites to search for

http://www.fatbadgers.co.uk/Britain/rivers.htm https://www.natgeokids.com/uk/?s=rivers&post_type=primaryresource

http://www.primaryhomeworkhelp.co.uk/rivers.html https://www.bbc.co.uk/bitesize/clips/zb39jxs

The cross profile of the river shows the cross-section of the river and the river valley.



Wider and desper channel

