

**© UKRIGS Education Project: Earth Science On-Site**

Funded by Defra's Aggregates Levy Sustainability Fund, administered by English Nature.

This website and all of its contents are the copyright of UKRIGS and reproduction is only permitted in accordance with the following terms:

You may view, download and print any material for non-commercial educational use, research or study.

Any commercial use requires the prior written permission of UKRIGS.

Contact: [info@ukrigs.org.uk](mailto:info@ukrigs.org.uk)

**EARTH SCIENCE HOMEWORK**

Pupil Name.....

**SUMMARISING THE ROCK CYCLES: Pebbles and Rock Cycles at Ryton Pools**

**Present day - The Current Rock Cycle:** What is happening to these pebbles today?  
HINT: Why are some not still embedded in sand? What might happen to them if humans don't interfere?

**600,000 years ago: The Second Rock Cycle:** What can you say about how these pebbles were brought to Ryton Pools? HINT: transport and deposition.

**210,000,000 years ago: The Ancient Rock Cycle:** The rounded quartz and quartzite pebbles came from rocks deposited in the Triassic period. What can you say about this rock cycle? HINT: what kinds of rock must have been eroded to provide the pebbles? How much transport did they experience?