



**Using Golden Valley Nature Reserve and adjacent quarries
to make links with the Science Curriculum in the classroom at Key Stages 1 & 2**

Scientific Enquiry Sc 1		
Life Processes and Living Things Sc 2. 1, 2, & 3	Materials and their Properties Sc 3	Physical Science Sc 4. 1, 2 & 3
<u>Habitats</u> River Corridor and River Boyd Mature woodland Scrub Steep valley slopes Limestone grassland Wetland by weir <u>Living Things</u> Plants Mini beasts Trees Birds Grasses Bats and Ferns Small mammals Mosses Amphibia	1. Grouping materials ld Rocks & soil 3. Separating mixtures 3 a.b.c.d.e. <u>Materials</u> Limestone Ochre (iron oxide) Clay Fullers' Earth Grading crushed limestone <u>Exploring properties</u> Hardness of rocks Colour change – making marks Ochre - paints varnishes Clay - shaping drying firing	1 & 2, Water power for electricity 2 c.d.e. <u>Processes</u> Mining Milling (rolling) Quarrying Crushing Transporting Manufacture of concrete Process of road building <u>Structures</u> Dam Bridge Weir Winding shed <u>Power Sources</u> Water power (turbines) Horse power Light sources Sound Traction engines Gravity feed