Linking a Visit to the National Curriculum

The Learning Department will ensure that resources, including facilitated sessions, have appropriate and robust links to the National and other curricula. All resources will be subject to ongoing review to take account of any changes to these curricula. Resources will be developed taking into account links to STEM (Science, Technology, Engineering and Maths).

Overview

Early Years Foundation Stage

The Early Years Foundation Stage framework is organised into three prime and four specific areas of learning and the three learning characteristics.

The Prime Areas of Learning:

- Personal, social and emotional development
- Communication and language
- Physical development

The Specific Areas of Learning:

- Literacy
- Mathematics
- Understanding the world
- Expressive art and design

The Learning Characteristics:

- Playing and exploring
- Active learning
- Creating and thinking critically

The Museum provides a wide range of opportunities and resources that allow practitioners to build, develop and consolidate the children's learning.

Primary Education

Key Stage 1 and 2

English: The Museum allows pupils to develop their communication skills through the interpretation boards, exhibits, artefacts and collections. Participation in facilitated sessions consolidates and extends this, encouraging pupils to discuss their learning experiences, present and demonstrate their findings and participate in debate. The curriculum links below all relate to the statutory requirements for spoken language.

History: The Museum provides schools with an excellent interactive social history resource. Specific facilitated sessions and other resources link to the required subject content for KS1 schemes of work: changes within living memory, events beyond living memory, the lives of significant individuals in the past and significant historical events, people and places in their own locality. At KS2 the museum can offer links to a local study and a study of British history beyond 1066. Pupils are encouraged to develop the knowledge, skills and understanding set out in the aims for the programme of study: chronological awareness; knowledge and

understanding of events; people and changes in the past; historical interpretation; historical enquiry; continuity and change.

Science: The Museum can encourage pupils to develop scientific enquiry by providing opportunities to plan, obtain and present evidence and consider that evidence before evaluating their findings. At KS1 and 2 there are opportunities for pupils to work scientifically through the exploration plants and living things and their habitats. For KS2 pupils opportunities to explore forces and friction, electricity and geology are also available.

Maths: The Museum can enable pupils to explore mathematical ideas in practical activities, using real situations to solve problems. They will be able to link mathematical and science concepts in relation to data collection and analysis and draw inferences from their findings.

Geography: The Museum site has a number of advantages over other Museums for the teaching of geography. There are opportunities for developing mapping skills, discovering the physical geography of the Peak District and how this has affected the human geography of the area and the development of settlements.

Art and Design: The Museum provides a variety of opportunities to stimulate creativity and imagination for all age groups. From the collections, to the sculpture trail and the woodland walk, children can explore colour, shape, pattern, space and texture.

Design and Technology: The Museum provides opportunities for pupils to explore and consolidate their understanding of Design and Technology subject elements for KS1 and 2. Pupils can use the Museum's collections as a starting point for a design and technology project.

Secondary Education

The Museum has a cross curricular resource available for secondary schools to loan while at the Museum.

Key Stage 3

English: The Museum provides opportunities for debate and discussion across a range of subjects, including social history, citizenship, design and technology and science.

Science: The Museum can provide links to the Physics subject content of Energy, Motion and Forces and Electricity.

Art & Design: The Museum can offer students opportunities to develop their creativity and ideas across the site, with architecture, vehicles, woodland and people to inspire them.

Design and Technology: Students can use the Museum for research and to inspire their creativity in design.

History: The Museum offers opportunities for students to develop their historical enquiry skills and gain an understanding of historical evidence. Resources are available to complement subject content for local studies, the impact of industry on Society and challenges for Britain from 1901,e.g., women's suffrage; the First World War.

Geography: The Museum is ideally placed for students to study the physical geography of Derbyshire and the use of its natural resources; and to explore the impact of urbanisation.

Citizenship: Visits away from school give students the opportunity to develop their skills as active and responsible citizens. We can enhance that experience by encouraging team work, creative thinking and problem solving.

Maths: Mathematical thinking is fundamental to providing tools for understanding science, engineering, technology and economics. Students can utilise the Museum's collections and exhibitions to explore mathematical thinking and problem solving in real situations. The Museum can also provide a Functional Skills booklet to assist with this.

GCSE, A Level and Higher

Leisure and tourism: The Museum can assist students' studies through practical activities and background information regarding Marketing and Customer Service, offering a real Visitor Attraction to contrast and compare.

History/English/Citizenship: There are opportunities for research, discussion and debate using primary and secondary resources relating to a gender issues, women at work, the impact of technological advances on workforces and users, pay and working conditions, etc.

STEM: There are opportunities for students to explore the science behind the tram; the use of rail, how a tram works and the how and why of technological advances through the years. There is potential for students to use the Museum's collections as a starting point for a design project.

Art and Design: The trams, street, buildings and street furniture can provide inspiration for a wide range of projects exploring the built environment, while the Woodland Walk and Sculpture Trail can inspire work based on the natural environment.