

North Yorkshire Moors Railway Learning Programme

**Most led sessions are free, but
group fares apply for train travel**

Programmes for schools for 2010

(NB Trains do not run on weekdays from November through to April)

The North Yorkshire Moors Railway is a historical steam railway running for 24 miles through spectacular moorland between Pickering and Whitby.



An Evacuation Experience (½ day or full day)

Suitable for: KS2

Cross curricular links: History, Citizenship, Literacy

Children find out what it was like to be evacuated during a steam journey on the North Yorkshire Moors Railway. Using photographs, artefacts and role play, we give the children an idea of what the experience must have been like for the evacuees. (Pre-visit sessions also available - see Outreach section.)

A Victorian Railway Journey (½ day or full day)

Suitable for: KS1 or KS2

Cross curricular links: History, Literacy

In collaboration with the **Beck Isle Museum**, Pickering (see their entry on www.ukschooltrips.co.uk for further information), children have the chance to enjoy a hands-on approach to history and to get a taste of life in Victorian times (for a small charge). At the museum, they take part in a typical Victorian class lesson, get involved in wash-day, handle artefacts and play games in the Victorian parlour (maximum 60 children). For the rest of their day, the children can experience a Victorian rail journey through the North York Moors. This activity is adaptable to fit in with your specific needs.



Representing Journeys through Art (1½ hours approx)

Suitable for: KS1 or KS2

Cross curricular links: Art, Literacy, History

Children produce a piece of work depicting their train journey. Visiting children will be encouraged to use all their senses to build up a mental picture of a journey on a steam railway. They will record their initial impressions in words and / or pictures before and during the journey.

CSI Pickering (½ day approx per session)

Suitable for: KS2

Cross curricular links: Science, History, Literacy

A crime was committed on one of our trains many years ago. Can the children use modern forensic techniques to work out who dunnit? The introduction to the crime takes place on a train journey, lasting up to 2½ hours (return).

The forensics investigation follow-up takes place in your school and lasts half a day.



Goathland as a Contrasting Locality (½ day)

Suitable for: KS2

Cross curricular links: Geography, History, Citizenship, Literacy

Online resources: Learning Journey on www.mylearning.org

Children investigate the village of Goathland, reflecting on the effects that the Railway and Heartbeat have had. They can go on to draw comparisons between their own locality and Goathland village.



Rail Trail Walk (2½ hours approx)

Suitable for: KS2

Cross curricular links: History, Literacy, Science

Why not catch a train to Goathland and do our beautiful Rail Trail Walk (3½ miles) to Grosmont? The walk covers easy terrain with a gentle downhill section at the start. Children learn about the history of the railway as well as having the chance to get up close to nature.

Walks and Wilderness at Levisham (½ day)

Suitable for: KS2

Cross curricular links: Art, Literacy

Experience a steam train journey to our beautiful station at Levisham. Take a short guided walk to absorb the peaceful atmosphere of the woods and fields around Levisham. The walk is followed by an introduction to sketching with watercolour pencils (all materials provided).

The above activities all involve train travel.

For free Outreach Activities at your school - see over the page.

OUTREACH - WHERE WE COME TO YOU!

(if your school is within 90 minutes drive from Pickering)

Victorians and the Railway (½ day)

Suitable for: KS1 or KS2

Cross curricular links: History, Literacy

A Victorian trip to the seaside by train was very different from a trip today! After a short introduction, we investigate how the railway transformed the lives of people in Victorian times. We take a look at the clothes the Victorian passengers would have worn and the toys the children might have taken with them, as well as the journey itself.

Evacuees (½ day)

Suitable for: KS2

Cross curricular links: History, Literacy

This workshop introduces children to the experiences of evacuees in WW2. It can be a stand alone workshop, or a good introduction to our Evacuation Experience (see previous page) which involves train travel. Using replica evacuation posters and photographs of evacuees as a starting point, the children investigate the reality of being transported far from home during the war.

Forces Workshop (½ day)

Suitable for: KS1 or KS2

Cross curricular links: Science, History, Design & Technology

Online resources: Transport Explorer on www.mylearning.org

Children carry out a number of practical activities to investigate forces in relation to steam engines. After a short presentation, they see how a steam engine works and go on to take a closer look at cylinders, pistons and cams. KS2 have a go at making a simple cam mechanism to demonstrate reciprocal motion. They then consider the use of levers on the railway and in everyday life, and make a simple semaphore signal involving a lever.



Friction Workshop (½ day)

Suitable for: KS2

Cross curricular links: Science, History, Design & Technology

After a short, interactive PowerPoint presentation, the children explore the concept of friction and how it relates to the railway. They look at hills and railways, moving on to practical activities using ramps and surfaces of different materials. They take a closer look at railway engines designed with

varying degrees of streamlining and surface area and move on to practical activities to investigate air resistance.

Mechanisms Workshop (½ day)

Suitable for: KS2

Cross curricular links: Design & Technology, Science

The children will be given a short introduction to some of the mechanisms used on the railway. They then design and build simple machines and mechanisms using craft resources such as Techcard, gears/cogs, wheels and pulleys.

Bridges (½ day)

Suitable for: KS2

Cross curricular links: Design & Technology, History, Science

After a short introduction, the children investigate structures, then go on to design and build different types of bridges using a range of craft resources. They will consider the importance of good design, as well as the aesthetics of bridge building and the problems of having limited materials. On completion each structure will be tested using weights.



Additional information: If you have any other curriculum requirements for your visit, we are more than happy to discuss them. If you have any queries please ring the Education Service on 01751 473799 or email education@nymr.co.uk.

