

CREST DISCOVERY DAY

Teacher's Notes: Our CREST Discovery Day is designed to support your groups learning of STEM (Science, Technology, Engineering, Mathematics) subjects. Our session is conducted at our engineering hub at Ropley and covers STEM on the railway. It features hands-on activities, opportunities to question and to explore the station and yard.

You will be met at Ropley Station by one or our members of the Canadian Pacific Team. They will provide you with a safety briefing. Afterwards you will be divided into smaller groups to complete the activities.

Duration & Timings: Arrive at Ropley for 10am. The first half of the session will last 2 hours. Then break for lunch. Second half of the session will last 2 hours.

Available non-running days.

Activities: Everyone will be issued with a certificate for completing the CREST Discovery Day.

- Tour of our engineering workshops. Guided tour through areas not open to the public. Students will experience first-hand what it takes to maintain and restore a steam engine. (Access to all workshops will be dependent on the type of work taking place on the day).
- Learn about signalling in Ropley Signal Box from one of our signalmen. Students will learn how we move multiple engines across our single-track railway.
- Have a go at designing and building a bridge that could be used on our railway. Hands-on activity in our Education Room.
- Find out what it takes to drive and fire an engine from one of engine crews on board a steam engine. Students will have supervised access to one of our engines footplates (not in steam) where they will learn what it takes to drive and fire an engine.

Cross Curricular Links: Science, Technology, Engineering, Maths, Art and Design.

To Book: Please contact the Outreach and Interpretation Officer for availability.

Price: £3 per student (includes certificate for each student, handbook to fill out and a led session)

For more information contact the Outreach and Interpretation Officer on 01962 733810 or email outreach.mhr@hotmail.com

