

## Engineering at the IWSR

### STUDENT INTRODUCTION

- ▶ At the Isle of Wight Steam Railway, many aspects of railway engineering can be explored and studied
- ▶ The role of the engineer is essential for the Isle of Wight Steam Railway to operate fully as a heritage railway museum, replicating the mechanical engineering processes of



### Did you know?

Many retired engineers with various skills volunteer each week to keep the Isle of Wight Steam Railway running for all to enjoy and experience?

## Teaching resources by Education Destination Ltd.

Curriculum relevant materials supporting school trips to the Isle of Wight

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or engineering staff and volunteers.

The railway makes a fantastic case study as it is a compact yet fully functional example of a working railway. The historical and heritage elements also allow for exploration of the engineering knowledge that underpins modern engineering on the railway today.

If appropriate, you could experience the many engineering processes that take place in the carriage and wagon workshop area and train sheds, discovering how the heritage railway is dependent on engineers and their skills.

Areas that could be explored here include:

- ▶ track maintenance/operations
- ▶ permanent way aspects
- ▶ security of the work environment
- ▶ carrying out routine inspections
- ▶ exploring the engineering world

By contacting the Isle of Wight Steam Railway, you can tailor a school or college visit to the railway engineering aspects of your course.



Opportunities also exist at weekends with the 'Sunday Gang' if you are looking for a more regular hands-on experience.

