



# Engineering

**Type of Placement:** One day group visit to Landrover as part of the Shape the Future, STEPS at Work Programme, sponsored by the Royal Academy of Engineering.

**Curriculum Link:** Engineering, Science and Technology.

**Summary of Main Benefits:**

To provide a gateway to manufacturing and engineering.

**Description:**

- The group were given an insight into the process of Cell and Lean production in addition to the Just – in – Time storage system and the quality systems used to produce the “Legend”.
- The group were able to contrast and compare the differences between the model range of vehicles and the new technologies involved, especially on the Robotics and Automation elements.
- A video on the history of the company and the development of the model range was shown

- The group were advised on the type of day which can be tailored for different school groups ie Key Stages 2-3- 4 & 5
- Further, demonstrations were given on the type of activities carried out in the EPC, on Computer Programming and Robotics, which are used with students during visits.
- In addition to the Shape the Future, the BEST Programme and other relevant information provided by the Royal Academy, the group also took away information on the Specialised Diplomas and on future events run by the EEF and the Science Learning Centre.

**Outcomes:**

The teachers' evaluation of the day was very positive and a number booked visits for their schools. Finally and significantly, a number gave testimony to the way in which they could use the experience to influence their teaching and learning.



The Shape the Future STEPS at Work programme has been piloted in four regions in 2006/7 and is likely to roll out to other regions from June 2007.

PDPs in support of the Engineering Diploma will be included in the scheme. Contact your regional PDP co-ordinator for further details.

Visit each placement to take that **all-important photo**