

Case Study

Primary Team - “Primary school pupils become engineers for the day”



Children from The Grove Primary School in Melton Mowbray ‘clocked in’ at Carlton Laser Services factory in Leicester to investigate the role of the engineer.

Support given by – Carlton Laser

Schools Involved – Grove Primary School, Melton Mowbray

Brief of the Event -

Dennis Kent, a STEM Ambassador and former owner of the company and his team invited 30 pupils aged 9-11 to become engineers for the day. After a health and safety briefing the children followed the production process from taking an order over the phone, producing an estimate,

designing parts on the computer, watching them being laser cut or punched out of steel and bent, welded and packed ready for the delivery. They learnt how with the use of computer controlled robots the company can produce goods 24 hours a day, 7 days a week. After looking around the factory floor the children had an opportunity to quiz members of staff to find out how they became engineers, the importance of good customer service and how important each member of the team is to a successful company. The children were given a personalised clock made from sheet steel in the factory as a reminder of their visit.

Event Date – 17th November 2010

Quotes -

Dennis Kent, Former Managing Director, Carlton Laser Services Ltd said;

“We were very apprehensive at the prospect of having 30 9 and 10 year olds visiting Carlton on a busy production day. Would they run riot ,could we keep them interested or would this be a never again lesson? How wrong could we be, we are still buzzing from the sheer enthusiasm and excitement this visit achieved. All of our employees and the kids will remember this day for a long time to come. “

Mike Owen, Head Teacher, The Grove Primary School, Melton Mowbray

“The Grove were delighted to be the first school to visit Carlton Engineering. The children and school staff had a brilliant day. The company went to great lengths to make it a memorable learning experience. The gift everyone received was stunning! We are extremely grateful to Carlton Laser Services and LEBC for making it happen.”

Elle Year 6 Pupil;

“It was fun and exciting. Mohan taught us all about engineering and I thought the staff were very clever.”

Ruby Year 6 pupil

“I really enjoyed this visit, everyone made engineering easy to understand. I thought they were very lovely.”

Susan Root, Leicestershire Education Business Company (LEBC) Primary Projects

Manager said;

“This was the first time we have organised a visit to an engineering company for primary school children. The aim of the trip was to encourage the children to consider a future career in engineering. Mohan and the team at Carlton went out of their way to ensure the children had a memorable morning that they will always remember.”

Outcome –

- . Boosts Confidence.
- . Raise awareness of different careers
- . Raises aspirations
- . Improves students speaking and listening skills.
- . Helps to prepare children for the world of work.
- . Develops higher order questioning techniques