

## DONCASTER TECHNOLOGY CHALLENGES 2009 – FINAL EVENTS SCHEDULE (PYRAMID ORDER)

Pyramid/Company	Challenge
Adwick/Strata	Design and build a model of a home for an older couple. Produce marketing materials to promote your home.
Armthorpe/Ardagh Glass	Develop a marketing campaign aimed at children to encourage the re-cycling of glass. The campaign is to include a model of a glass re-cycling container that provides for the separation of three glass colours. Give the container a name.
Balby Carr/Topping Pie Company	Make a savoury hot or cold cutting eating pie. Give the pie a name and produce marketing material to advertise your product.
Campsmount/C H Power Tools	Next to Hutton Park there is a 2.5 acre piece of land which they wish to develop into a green park. The challenge is to design and make a model of different types of recycling stations to be placed on the park. Give the park a name, design marketing materials and a logo for the park. Also produce a multi-media presentation of your work.
Danum/Cooplunds	Design a range of sandwiches for children to be sold by Cooplands as part of a lunchbox. Design a container to hold the lunch and associated promotional material.
Don Valley/K+N	Design & make a model gritting machine to be used by Kuehne + Nagel at their B&Q warehouse at Redhouse, Doncaster when the ground is icy. The vehicle must be motorised and give an even spread over a rubber 'road' 50cm long and 30cm wide.
Edlington/Polypipe	Polypipe hold a fund day for staff and their families at the Keepmoat Stadium's athletics track and 5-a-side football pitch. Design the layout of the stalls and rides. Your budget for the event is £5000. Also design and make a game from the Polypipe products to be used on the day. Design a poster to advertise the day.
Hall Cross/FHM	Design and build an environmentally friendly community. The community is going to be surrounded by 500 houses. The community needs to have all the usual amenities but this again needs to lean towards the greener issues. What other things could be included? Examples: Recycle centres, Solar energy, windmills, renewable power etc.
Hatfield/Bridon	Design & build a model suspension or cable-stayed bridge spanning a 500mm gap, to bear a 20 kilogram weight along the bridge deck.
Hayfield/Mt Pleasant	Plan & design a bedroom suitable for a business person or a family, to include a bathroom.
Hungerhill/Fellowes	To investigate computer stations at home and school, identify any problems and list ergonomic products they should be using. To design a back rest/support for children of their age group. Give the product a name. Produce a promotional campaign for the product.
McAuley/Sainsburys	Design & make an alternative platter of birthday party foods for children of your age. Also produce marketing materials to promote your platter, encompassing Sainsbury's 'Try Something New Today' campaign.
Mexborough/WRS	Design and build and enclosure for a covert pin-hole camera for an appropriate environment. Produce marketing material for the product.
Northcliffe/Dawn Environmental	To design a collection box in which different materials can easily be separated. It must be able to be lifted by hand or by machine. Produce marketing materials to encourage use of the box.
Ridgewood/Robin Hood Airport	Design & make a model of a bird 'scarer' to be used at Robin Hood Airport on the runway. It must be environmentally friendly and it must not give off any smoke etc that may cause a hazard for incoming/outbound aeroplanes. It must be portable.
Rossington/Ross Dev Trust	Design and make a model of the proposed play area for Holmescarr Community Centre. Produce marketing materials to encourage use of this facility.
Thorne/Northern Racing College	Design and make a model of a motorised horsebox to be used to transport 6 horses, the horsebox to include living accommodation for 3 staff. Also design marketing material for your horsebox.

These Technology Challenges are facilitated by Business & Education South Yorkshire