



## Key Facts:



**Age range:**  
13-17



**Location:**  
d'Overbroeck's



**Class size:**  
11



**Certificate:**  
Personalised report card & certificate



**Minimum language level:**  
B1 (intermediate)



**Tuition content**  
Theory and practical tuition across engineering field.



**Weekly excursions:**  
2 full-day



**Hours per week:**  
25



**Dates:**  
9 July - 6 August

This course will guide aspiring engineers to gain a better understanding of the engineering industry from commercial and technical perspectives. Students will understand the different areas of engineering and learn to evaluate the social, economic, and environmental impact of projects in different global contexts. Possible topics areas for each week may include: the principles of design, planning and prototyping, sustainable engineering and the varying roles of the Aspiring Engineer.

### Learning outcomes

- Targeted career and pre-university development including an Individualised Career Action Plan
- Hands-on experience into careers in engineering and design
- Improvement in English fluency, especially in practical and career-oriented language
- Development of transferable skills including leadership, teamwork, and problem-solving

### Example Study In Action Workshops

**Reduce Energy** - Students will take a tour of the wind turbine and a workshop about sustainable energy, its future and where/what we need to do in order to help save our planet. Additional tour of solar panels and lunch at the turbines is included.

**National Space Centre** - Working to a budget, students must work together to design, construct and launch their rocket to 'land' on the Moon. Their craft must be designed based on strict criteria and materials purchased on a budget. Which team will win the race?

### Capstone Industry Project

Through the Capstone Industry Project students will develop a compelling portfolio which can support their application to university and gain a 'DEC Award'- an industry recognised certificate delivered by the award-winning 'Class Of Your Own' team behind the 'Design Engineer Construct!' Learning Programme and backed by a leading UK awarding organisation.