



Engineering and science excellence for 14-19 year olds in Birmingham

Job Description

Job Title: Teacher of Engineering and Design & Technology

Accountable to: Curriculum Area Leader (CAL) - Engineering

Core Purpose:

You will have responsibility for the teaching of the subject of Engineering and Design & Technology to reflect both AUEA and local and national priorities and which personalises learning for all students and ensures rigorous and continuous monitoring and evaluation of the effectiveness of students' outcomes. Your teaching will ensure that engineering learning is exciting and engaging and delivered in partnership with Aston University and our significant industry partners so that our young people are motivated to strive for excellence.

Key Responsibilities:

Responsibility for raising the standards of all the students you teach in the subject of engineering:

- To be responsible for the teaching of relevant teaching material within the Engineering Curriculum Area.
- To contribute to the ongoing development of appropriate syllabuses, materials and schemes of work.
- To be responsible for managing the resources in the teaching rooms to which you are deployed.
- To be a tutor and to be responsible for carrying out the duties as set down in the generic tutor job description.
- To be responsible for carrying out a fair share of supervisory duties and cover for absent colleagues.
- To be responsible for following Engineering Curriculum Area and AUEA policy on matters such as lesson preparation, schemes of work, marking, record keeping and homework, and quality assurance.
- To be responsible for organising a disciplined working environment in which students can achieve their maximum potential.
- To participate in appropriate meetings as necessary within the Academy.

Responsibility for educational progress for all your students in the subject of engineering:

- To be responsible for monitoring students' progress in your engineering groups through academic tracking and data analysis.
- To be responsible for reporting to and liaising with the Curriculum Area Leader for Engineering, Subject Leader for engineering, teaching/support staff, Aston University staff and students, industrial partners, and parents/carers.
- To ensure a culture and ethos of challenge and support in your teaching where all students can achieve success and become engaged in their own learning.
- To demonstrate and articulate high expectations and set stretching targets in mathematics.

Additional responsibilities:

- To attend appropriate INSET to enhance subject knowledge, awareness of curriculum developments, classroom management skills etc, and whenever appropriate, share new knowledge and experiences with colleagues.
- To contribute to the enrichment curriculum.