We will embed our educational experience in a vibrant, research-led, entrepreneurial environment

By learning alongside researchers who are experts in their fields our students gain the practical, entrepreneurial and intellectual skills to tackle societal problems.

The education we offer is shaped by our research and delivered in a learning environment that challenges our students to excel and broadens their horizons. The quality of an Imperial education is evidenced by the success of our graduates in employment both inside and outside academia. We aim to be a destination of choice for the most talented students from across the globe and to produce graduates who are the first choice for employers.

**ACTIONS IN DETAIL**

- We will develop an innovative, research-led curriculum that enables our students to engage actively with research in their disciplines and across disciplinary boundaries.
- We will provide opportunities for our students to develop and apply entrepreneurial and creative thinking.
- We will continually enhance our teaching. In particular, we will make timely and useful assessment and feedback a central part of our approach.
- We will be at the forefront of the development of new ways of learning, and will recognise staff who deliver excellence and innovation in education practice and student support.
- We will define a framework for excellence in research supervision and the qualities expected from supervisors.

**CASE STUDY 03**

**Dyson School of Design Engineering**

A donation of £12 million from the James Dyson Foundation has made possible the launch of the Dyson School of Design Engineering, which will educate a new generation of design engineers and technology leaders.

Its focus will be the fusion of design thinking with engineering thinking and practice, within a culture of innovation and enterprise. The School will offer an undergraduate MEng degree in Design Engineering from October 2015, using a curriculum developed with industry. The School will also offer Imperial’s existing postgraduate programmes in Innovation Design Engineering and Global Innovation Design, both run through a collaboration with the Royal College of Art which has spanned over 30 years.

Within the School, there is particular expertise in the fields of engineering product development; autonomous systems and manufacturing; industrial design; and human factors. What does this mean for students? An education grounded in the fundamentals of engineering science, with an accompanying emphasis on design thinking, creative problem-solving and management and communication skills. Students will also gain experience to support them in the workplace, with undergraduates undertaking a six-month industrial placement and developing entrepreneurial skills through a bespoke module.

For Sir James Dyson, speaking at the School’s launch, the breadth of skills that design engineers at Imperial will acquire is what will set them apart and allow them to tackle the societal challenges of the future. “We want to create engineers who are bold and commercially astute. They will use their skills, nurtured in the School, to develop future technology that will catalyse Britain’s economic growth.”
Clockwise, from top left: MAGPIE (Mega Ampere Generator for Plasma Implosion Experiments) is a pulsed power generator used for experiments by the Plasma Physics group • A team of civil engineering students take part in Constructionarium, a hands-on construction experience which translates theory and classroom skills into real engineering • A student gives a presentation at the Institute of Global Health Innovation’s annual Student Challenges Competition, a platform for students to showcase their global health research ideas and win prize money to develop them further.