

## **TEACHING AND RESEARCH**

- Good teaching is informed by research and scholarship.
- Creative, imaginative research is stimulated by communicating knowledge to students.

The research active teacher brings to the classroom and the teaching laboratory

- a freshness of mind, and
- a familiarity with new knowledge and emerging trends in scholarship

Research and scholarship promote in the teacher

- an enthusiasm for the discipline
- which is transmitted to students
- and can kindle the curiosity and intellectual engagement
- which are the fundamental requirements for the development of self-directed learning.

The research active teacher inspires students

- with the excitement of discovery and innovation, and
- induces in them the desire to follow on the path to postgraduate research.

The impact of teaching on research and scholarly activity is less commonly acknowledged. Yet there must be a reason why the majority of the most distinguished scholars, researchers and innovators are to be found in Universities rather than in dedicated research institutes.

Effective teaching begins with

- enthusiasm for the subject matter and
- a desire to communicate;
- both are essential attributes of the successful researcher.

Clarity of thought and the concise articulation of complex ideas are the hallmarks of the good teacher.

Conscious development of these talents can only enhance the skills of inductive thought and deductive reasoning required of the successful researcher.

Young intelligences and questioning minds

- challenge received wisdom and
- stimulate new ideas and creative approaches to problem-solving
- in their teachers.

There is no better way to develop

- a thorough knowledge and understanding of the fundamentals of a subject
- than to teach it to others

This breadth of knowledge

- expands the scope of scholarship and
- counteracts the risk of tunnel vision
- which can limit the horizons of the researcher.