

The University of Queensland Higher Education Academy Fellowship

DR MARGARET WEGENER

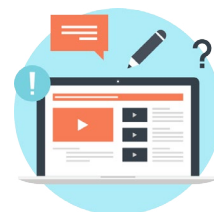
“ To be acknowledged with an HEA Fellowship is to be internationally acknowledged as an educator. It is recognition of the quality of my work, across all the aspects of university teaching. It evidences the valuing of teaching at UQ. ”

Lecturer
School of Mathematics and Physics
Faculty of Science



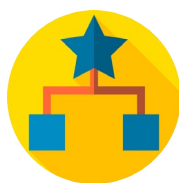
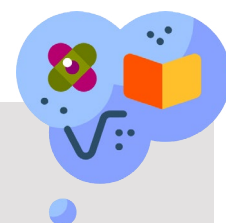
Programs

- Development of course “The Physical Basis of Biological Systems”
- Threshold Learning Outcomes for Physics – defining what graduates should know and be able to do
- “5-Minute-Physics” online learning resources
- Development of inquiry-based laboratory learning activities



My favourite teaching tools

- “Five-Minute Physics” online learning resources
- In-lecture experiments
- Tablet computer with stylus, that enables me to annotate lecture slides – draw diagrams, do problem-solving, etc



Expertise

Physics

[Especially introductory-level, and especially to service other disciplines such as the health and life sciences]

Memorable teaching moment

It's very rewarding to witness the moment that a student becomes able to “see” something – to understand.

Fairly early in my career a student commented that I made them “think how things really work in physics” so that everything “clearly stays in your head”. Deep learning was happening.

That has really influenced me to design learning experiences that lead students up to see “why”, so that not only do they have that lightbulb moment, but their thinking is illuminated from then on by the deep understanding they have developed.