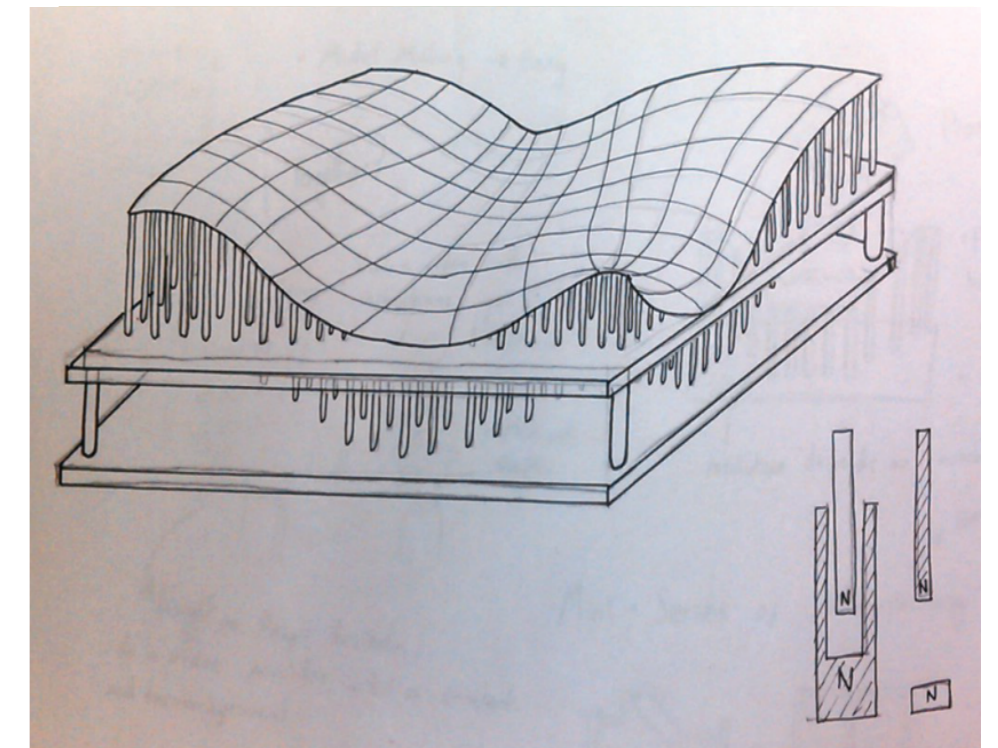
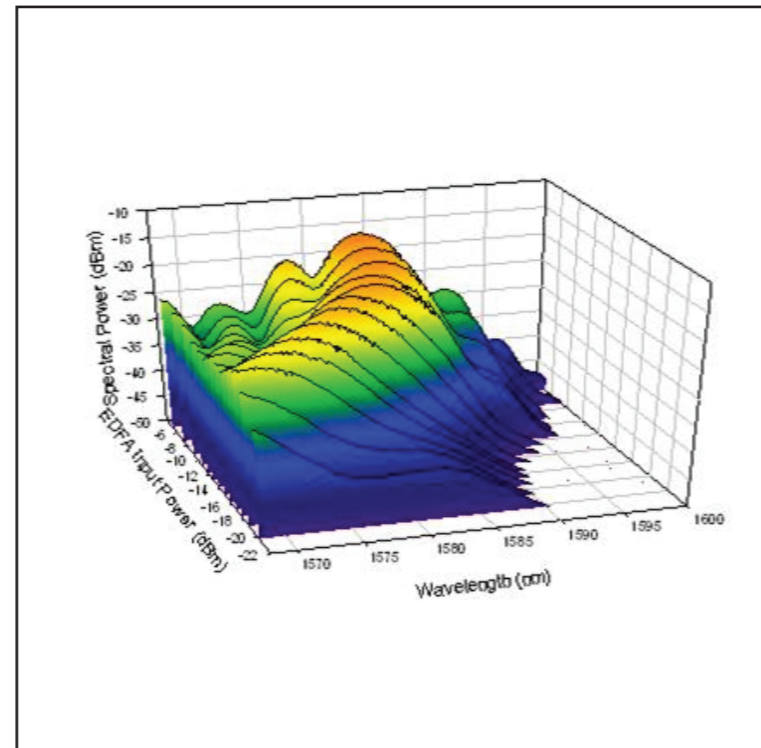
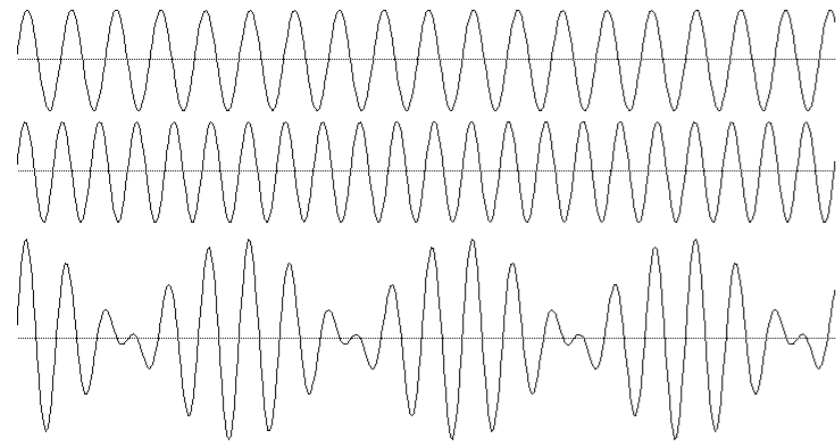


3D Waveform Idea



- Waveforms produced in class can be difficult to understand, particularly 3D ones.
- Can we make this more accessible?
- Would this provide the platform for teenagers to be creative?
- How can we create a tangible representation of this difficult maths?
- Can we add an extra dimension to a predominantly paper based learning environment?
- Would this enable students to change their approach to a problem?

- Providing teens with a 3D visualisation of a 2D problem would allow them to really understand what was going on
- If presented with future problems, they can then refer back to 3D visualisation before attempting
- Bringing a very traditional school subject into the modern era
- 3D learning may lead to positive interest in the subject as opposed to obligatory learning
- Takes maths out of the realm of pure numerics and into a practical problem - more applicable

- How would pins be controlled?
- Repeated fatigue of material on top?
- Very complicated mechanism
- Would it be useful to all students?
- Very delicate
- Desktop or 1 per class?
- Requires computer input
- Doesn't promote tinkering
- Could work in reverse: mould a waveform and obtain the equation
- No feedback/achievement aspect

