Challenging Plants

Plant Science

Using plants

- contaminated land
- phytomediation of contaminated land

- phytoextraction and mining

- treating water from coke ovens

- useful products from plants
- food and animal feed

Plant science (experiments)

- plant structure and function
- photosynthesis: an introduction
- photosynthesis
- harvesting light
- rate of photosynthesis: limiting factors
- rate of photosynthesis: environmental factors
- rubisco and C_4 plants

Transport through

- plants and plant cells
- flowering plants

Nutrient cycles

- why plants need nutrients
- signs of nutrient deficiency
- an introduction to nutrient cycles
- carbon cycle
- nitrogen cycle
- phosphorus and sulphur cycles

Passive diffusion

- entropy
- free energy
- rate of passive diffusion

Fertilisers

Soil Science