

Writing for a purpose

Nicki Humphry-Baker

My Aims



- Practise the fundamentals of physics
- Develop intuition
- Become comfortable with the maths
- Challenge misconceptions

Practise the Fundamentals



Design:

- set of questions on one concept
- increase difficulty of each question – more complicated situations, novel situations

Q	Are These Closed Circuits? Step into Physics: Current and Circuits 1 Physics > Electricity > Charge & Current	Year 76:8	>
Q	Which is a Closed Circuit? Step into Physics: Current and Circuits 2 Physics > Electricity > Charge & Current	Year 7&8	>
Q	Draw the Closed Loop Step into Physics: Current and Circuits 3 Physics > Electricity > Charge & Current	Year 7&8	>
0	Direction of Current Step into Physics: Current and Circuits 4 Physics > Electricity > Charge & Current	Year 7&8	>
Q	Direction of Current with More Components Step into Physics: Current and Circuits 5 Physics > Electricity > Charge & Current	Year 7&8	>

Develop Intuition



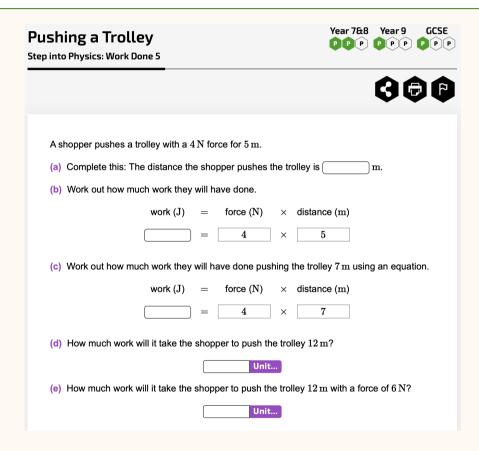
- Questions that are subtly different to a previous one
- One or two questions that combine concepts
- Make it relatable

Helps the students to start developing their problem solving skills.

Become Comfortable with the Maths



- Use their maths skills in the questions
- Scaffold it



Challenge Misconceptions



- Set of questions to challenge a misconception
- Use set of questions practising fundamentals to avoid the misconception earlier on, or as a refresher

My Inspiration



- World around me
- What students get stuck on or misconceptions
- What I know from experience they don't understand well

