

This resource is intended to be read in conjunction with the case study on the project led by Derby College

This is what this resource is	A Slideshow that supported a PBL episode with Level 2 Engineering students
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This is what it is for	To brief students on a PBL task
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This is how it could be used	To ignite practitioners' imaginations in planning and communicating PBL
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Outstanding Teaching, Learning and Assessment (OTLA) Technical Skills National Programme: sharing and developing effective practice

Output 8

Electronic Circuits [PBL Brief 1]

16/10/2017



PROBLEM BASED LEARNING

PAULINE BRADY

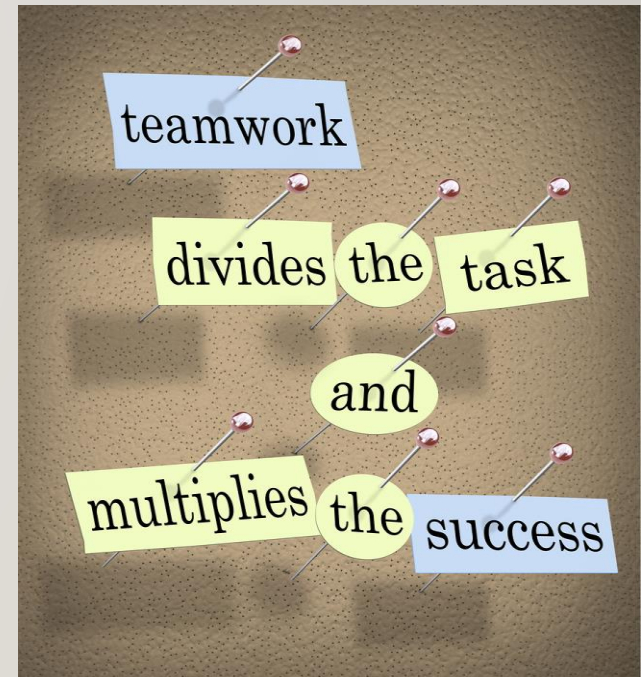
DERBY COLLEGE

WHAT DO YOU KNOW ABOUT MAKING AN ELECTRONIC CIRCUIT???????

- Your aim is to complete your own circuit by the end of the session.
- You will show how to connect cables
- You will construct your own circuit tester
- I know most of you are thinking 'I don't know how to do that' but have NO FEAR you will

STEP I

- You will utilise all of the equipment on your table to create your own quiz working in small groups
- Health and safety is of great importance so be safe and take your time.
- Work together to minimise mistakes



STEP 2 - USE THE SKILLS OF YOUR TEAM

- Work together to make the best quiz



- Just remember I am also a part of your team so I WILL HELP YOU

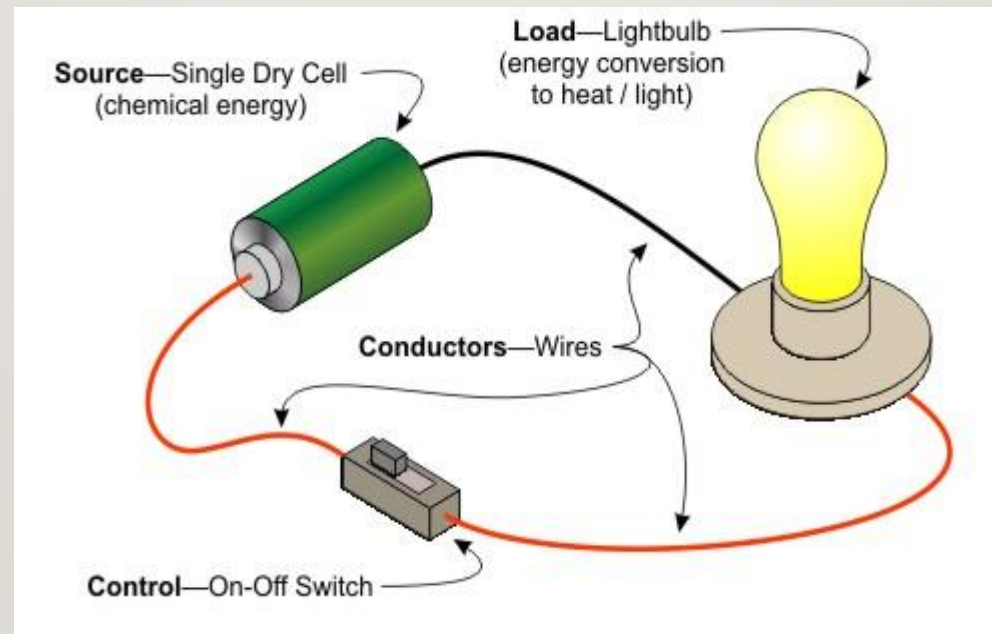
STEP 3 - ON COMPLETION OF THE TASK

- You will complete a feedback form.



ARE YOU READY??

- Lets get to work!!!!





Getting to know you

TaskActivity

- 1 On your notepad write 6 questions then provide an answer for each
- 2 Place your card in the landscape position and split it equally, horizontally into 5 using a ruler
- 3 Choose 5 of your question and answers and transfer them to the A4 card
- 4 Add a paperclip to the card on the question and the answer
- 5 These will be your circuit terminals
- 6 Using the tools and components on the table connect a cable to the back of the card connecting the matching question and answer together
- 7 Using the rest of the components make a tester which will illuminate when the correct question and answer is found and a complete circuit is made
- 8 You have now made your first circuit