

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 practitioner poster story of their PBL trial with students
This is what it is for	To inform effective PBL
This is how it could be used	As a CPD resource

# OUTSTANDING TEACHING, LEARNING AND ASSESSMENT TECHNICAL SKILLS NATIONAL PROGRAMME

Poster Story  
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Output 15



# Problem Based Learning

## What we did...

### Thermistor

What it does?

How it works?

Where is it used?

Why does it do it?



### Pneumatic oscillating cylinder

Make a pneumatic circuit by trial and error

Find out why it won't work

Make mistakes

*What would you do if you weren't afraid?*

## How it went...



*It's OK to make mistakes!*

*Students apprehensive to start with, but fearless learning developed quickly*



*"Fun"*



*Freedom to discover*



*Development of inter-personal skills*

*Deeper understanding*

*Increased collaboration*

## What we've learnt

- Problem based learning needs a little more guided learning hours
- There are less misconceptions carried forward
- The students resist to start with but get used to it quickly
- The session needs to be planned carefully (enough knowledge to start but not enough to make it easy)
- Understanding in learners is DEEP!