



## AFHEA Case Study Exemplar - Technical Role

<p><b>Written Case Study Title:</b></p>	<p><b>The use of new equipment as a method for teaching and learning.</b></p>
<p>I was given the task of purchasing a new xxxx to be used for demonstrating xxxx xxxx in practical classes and by project students for their research. The xxxx would need to be robust, safe, meet health and safety requirements, able to be used by students and be representative of those used in industry (V4).</p> <p>I decided to research a few different manufacturers and models of xxxx, and also arranged with the xxxx department at Sheffield teaching hospital to go to their lab so that I could see and use the xxxx rather than making a decision based on a brochure. I visited the lab and tried a number of different types of xxxx, weighing up which would best meet the needs of the students (A5) (PV3).</p> <p>Once the xxxx was purchased I then received training from the manufacturer, I used this along with my experience from the teaching hospital to write an instruction booklet (A1), risk assessment and Standard operating procedure for the new xxxx (K6.) The instruction booklet explained clearly how to use the xxxx safely and included labelled diagrams of the instrument (K1).</p> <p>I was able to support learning by training staff and project students on how to use the xxxx by using a practical approach to training as this is the most effective way to engage students and encourage creative thinking (Halpern, D. F. 1996).It also enables students to gain experience in using techniques and equipment the same as those used in the professional working environment thus preparing them for working in professional practice (PV4).</p> <p>When I am demonstrating the xxxx for a level 5 practical where the students have never encountered the technology before I would explain in detail the background on xxxx xxxx preparation so the students can prepare the sample for their practical, however when demonstrating to pHD students who would be more experienced I would explain how to use and maintain the xxxx safely and gauge the training to the higher technical ability (K2).</p> <p>Once I had demonstrated the equipment and its safe use the students were able to use it independently for their project (A2).</p> <p>I choose to train the students by giving them a demonstration of how to use the xxxx, its safe use and then got them to do it themselves, I also gave the students a training booklet</p>	

which contained both diagrams and text, with clear and consistent language, so as to support learners with special educational needs and those with English as a second language (PV1). Thus supporting the theory that inclusive education should be concerned with 'overcoming barriers to participation that may be experienced by any pupils' ( Hockings, 2010).

I know that the new xxxx training booklet was effective as students fed back positively about the overall experience and academics were happy with its incorporation into the level 5 practical class.

**Word count:476**