P E C

A policy position on the Royal Society of Chemistry's vision for practical chemistry in 5-19 education

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Summary

the subject as an empirical science and is core to understanding the question 'How do we do chemistry?'

all

Introduction

Practical skills should be developed over the course of a young person's 5

1 Manipulative skills:

2 Procedural skills:

3 Scientific Enquiry skills:

; presentations.

4 Wider skills:

Key Messages

4 Practical chemistry activities must have a clear purpose and be related to the learning aims of the lesson.

5 Practical chemistry activities must promote an equitable chemistry education and be designed with consideration to inclusivity and accessibility.

6 The sustainability of practical activities should be considered at all stages, to aid with budget constraints and reduce the environmental footprint of practical chemistry in classrooms. Sustainability of practical chemistry can be improved through the consideration of the amount and type of chemicals used in the classroom and the type of experiments conducted.[17]