



Cheshire & Stockport SLP Newsletter – Secondary Science Teachers

Issue 5 November 2017

Why we do what we do!

68% of young people found science lessons at school very interesting or fairly interesting

35% of young people said 'having a good teacher' had encouraged them to learn science

According to a study into young people's attitudes to Science carried out by the Wellcome Trust – more here: <https://wellcome.ac.uk/what-we-do/our-work/young-peoples-views-science-education>

Or as an infographic:

<https://wellcome.ac.uk/sites/default/files/science-education-tracker-infographics-feb17.pdf>

If having a good teacher is important – it's worrying to read articles such as the following:

<https://eic.rsc.org/feature/recruiting-and-retaining-teachers/3008189.article>

One of our aims at the SLP is to find useful teaching resources and here are this week's offerings:

Physics – specific heat capacity:

<https://ephrontistry.com/2017/11/19/specific-heat-capacity-engalman-style/>

Chemistry – filtration, water treatment and electrolysis:

<https://eic.rsc.org/feature/precious-water/3008282.article>

A TED talk on the Science of Smog

<https://ed.ted.com/lessons/the-science-of-smog-kim-preshoff>

And a useful article about intervention:

<https://eic.rsc.org/ideas/how-to-make-effective-interventions/3008224.article>

Cont/...

A discussion about the role of practical work:

<https://www.emilyseeber.co.uk/single-post/2017/03/02/Make-Practicals-Meaningful-Using-crucial-experiments-to-engage-students>

and

<https://chengreaction.wordpress.com/2017/11/06/practicals-in-science/>

Some guidance on data tracking:

<https://www.sisra.com/the-science-of-science>

Some thoughts about engineering and its role in the curriculum:

https://www.imeche.org/news/news-article/new-report-uk-s-failure-to-integrate-engineering-in-curriculum?utm_content=buffer68e84&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer

An offer from Collins:

<https://collins.co.uk/index.html>

And last but not least, some more suggestions for Christmas practicals!

<https://tangofscience.blog/2017/11/25/of-oranges-and-gingerbread-christmas-chemistry-experiments/>

Been on some of our training recently? Then don't forget to fill in your STEM Learning ITK reflections when you get your reminders – you never know when you might want to refer to your CPD record or to reflect on the impact that your training has had on your classes.

Not seeing what you want training in? Please let us know – we are here to help, however we can.

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