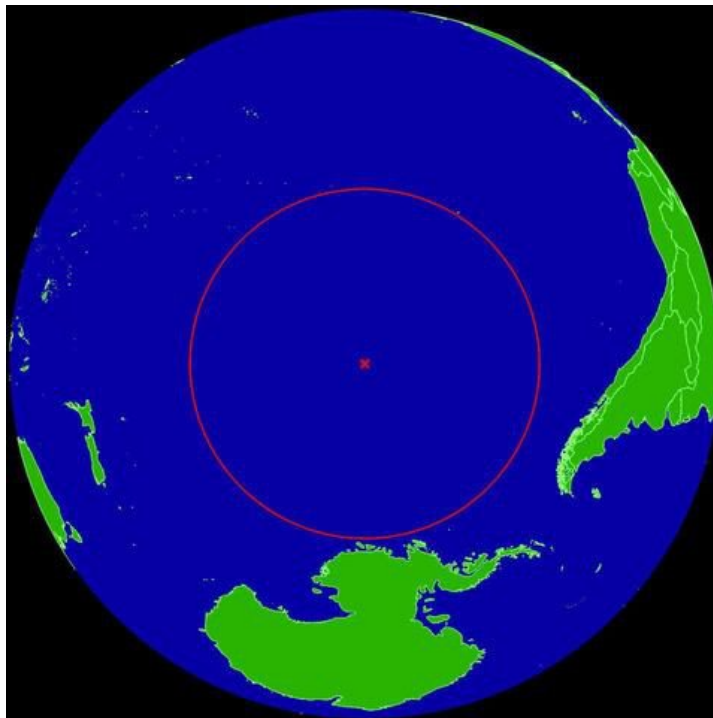


Happy January 2023

A. Some New Questions from our Schools Quiz 'Science in the Real World'



1. What is the name of the point marked X on the map, and where are the nearest humans to it? (hint: think in 3 dimensions?)



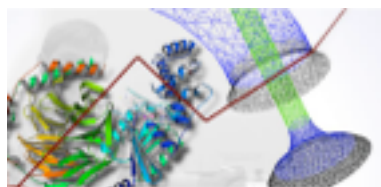
2. In this picture, whose DNA is the most different to everyone else's?
(Picture Courtesy wonderopolis.org)

See More at <http://www.kkitech.com/ScienceQuiz.pdf>

E-mail us at kevin@kkitech.com if you can't get the answers!

B. Coping with January Gloom

Don't be SAD – check when it will get lighter in the mornings at
<http://www.timeanddate.com/worldclock/sunrise.html>



C. Highlights of the Year

Kevin presented a keynote speech at the Young Company Finance Conference in September: <https://www.ycfscotland.co.uk/wp-content/uploads/YCF-2022-KKI.pdf>



- Scotland has 5+ indigenous multinational tech companies
- Tech companies employ 15% of population
- Scotland's growth rate is higher than 2.5%
- Scotland is not only carbon neutral, but produces and exports green energy to UK, Europe and beyond

And a poster & presentation at the Variety in Chemical Education Conference in August: <https://www.youtube.com/watch?v=bA2NQKAPj1U>

Context & Problem-based Learning Resources
Dr Kevin Parker FRSC - kevin@kkitech.com

Sterling Metal Enhancement
Analytical Chemistry in Precious Metal Recycling

'A Sticky Situation'
Context-based Learning Exercise for Chemistry Students

Chemistry and food security - context and problem-based learning

Commercial Skills for Chemists

Short Activities & 'Games'

SCIENCE IN THE REAL WORLD SCHOOLS QUIZ

The '10 minute, 5 minute' Team Game

Meeting 0
• 10 minutes, or when teams are all ready

Work Period 1
• 10 minutes, individuals working on separate tasks

Meeting 1
• 5 minutes, no working on tasks!

10:18

10 minute, 5 minute' Project Management Team Building Game

Click here for a text only description with hyperlinks to each resource: http://www.kkitech.com/C_PBL_Summary.pdf

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First face to face Workshop for PhD students since 2019! – for NERC CENTA DTP at Dartington Hall, Devon



KKI Associates helps young people enrich their lives by training, consulting, and mentoring their business/career plans. In 2022 we delivered seminars in places from Orkney to Exeter, helping 8 year olds to 30 year olds.