

Royal Society of Chemistry HE Teaching Network

FINDING THE FUN  
IN HIGHER EDUCATION

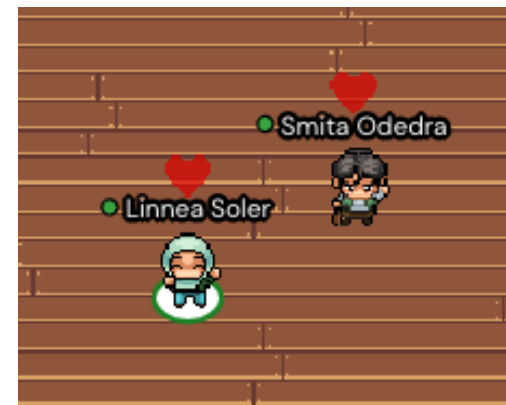
CHEMISTRY

HOSTED BY  
LINNEA SOLER &  
SMITA ODEDRA

UNIVERSITY OF GLASGOW



Winter Meeting 5 March 2021, 2-5 pm



#RSCfunCHEM

@DrLinneaSoler @UofGCHERPS

Thanks to:



Dr Jenny Burnham



## PROGRAMME

**14:00** **Welcome** - Dr Linnea **Soler** & Dr Smita **Odedra**

**14:05** ***Finding the Fun in Chemistry***

Dr Linnea **Soler** & Dr Smita **Odedra** (University of Glasgow)

**14:30** ***Academic Identity On-Screen***

Dr Peter **Henderson** (University of Aberdeen)

**15:00** ***The Art of Online Labs - An Approach to Teaching Laboratories Virtually***

Dr Sweta **Ladwa** (University of Loughborough)

**15:30** ***Getting Back to Earth (Materials) to Challenge and Engage***

Dr Jane **Essex** (University of Strathclyde)

**16:00** **Social**

- (optional) “fun” Chemistry-related quiz, courtesy of Dr Beth **Paschke**, School of Chemistry, UofG)
- access to other games & activities and, most importantly,
- an opportunity to socialise and just “relax”.

# YOUR CONTRIBUTIONS

We have two Padlet boards you can add to:

smitaodedra + 4 • 2h

## Finding the Fun in HE Chemistry #RSCfunCHEM

A place for the Chemistry Higher Ed community to have a bit of fun! This page will be shared at the Royal Society of Chemistry Winter Meeting, Finding the Fun in HE Chemistry (organised by Dr Linnea Soler and Dr Smita Odedra, School of Chemistry, University of Glasgow). We'd love to see your contributions!

Bad lipreading


Share the worst (best) zoom transcriptions (& original intent) from your lectures (please don't share any horrible nasty ones though..this is for fun!):

From a lab video "The thing is to make sure that your sister is revolving before you begin" - should

Memes

Made any memes th

If you or your students have created any chemistry memes, upload them below! Here's one from Smita's NMR course:



Jokes

Think you your chem

What is th formalde

Casualdeje

Why did t

linneasoler + 1 • 2h

## RSC HE TFN: Map of Participants

Share your location (& your chemistry Higher Education research interests)



# Finding the Fun in Chemistry

Dr Linnea Soler & Dr Smita Odedra

Two areas where we have harnessed this concept of “finding the fun in chemistry”

1) To build student community



2) To create resources to support student learning



# Using Fun to Build Student Learning Communities LS

Previous work: Chemistry in the Movies

Dodgeball:  
The Chemistry of Lycra & Hairgel



THIS HOLIDAY, DISCOVER YOUR INNER ELF.

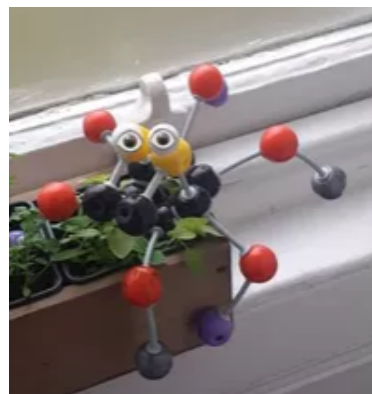
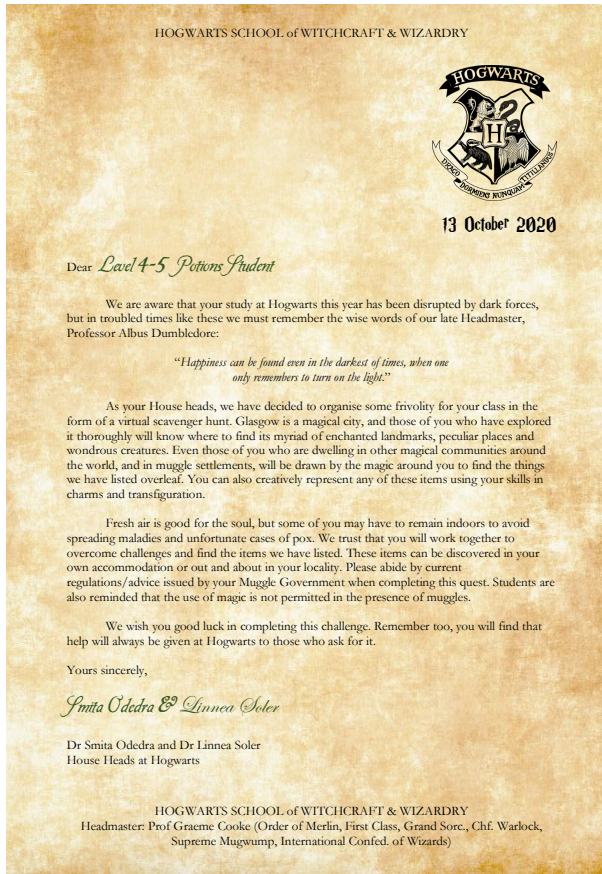


Elf on a Shelf



# Harry Potter Scavenger Hunt

- Harry Potter Scavenger Hunt (Padlet)



**A boggart!**

Dumbledore's alchemists have been <sup>SO</sup> fighting a boggart what is been traumatising them in the cupboard for a while now. Something makes me think they won't be done with this one until May though...



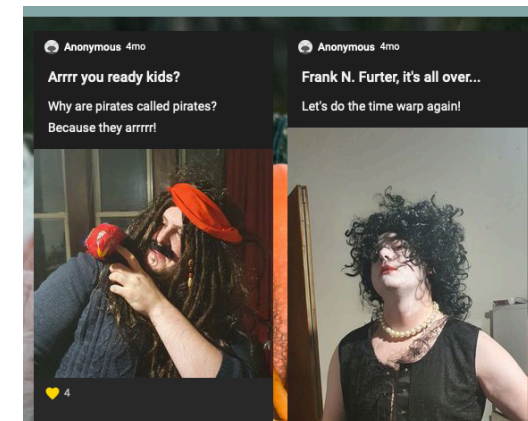
# Halloween Fun



- What We Do in the Shadows (Watch Party, Box of Broadcasts & Zoom)



- Halloween Costume Competition (Padlet)



- Spooky Quiz (Zoom)

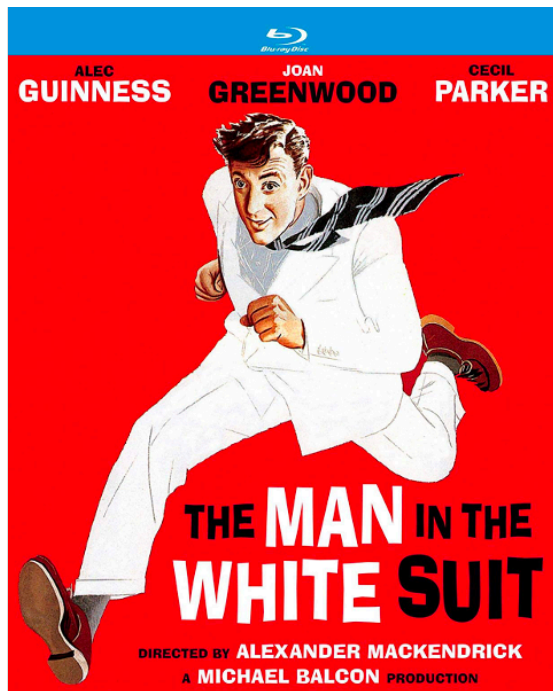
**Q4.**

What are ghosts in NMR spectroscopy?

1. A source of transverse relaxation
2. An artefact from quadrature detection
3. Transparent sample vessels
4. Invisible peaks in the spectrum



# Safety quiz



- Watch Party (Box of Broadcasts & Zoom) & Discussion (Zoom)






# Lockdown Launch:

## Movie & Quiz Night



LS



**What is the only letter that doesn't appear in the periodic table?**


(I'm sure you all have one to hand but try not to cheat!!)

Zoom & MentiMeter

**What is a common propellant in hairspray?**

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A - isobutene  
B - CFCs  
C - CO<sub>2</sub>  
D - Baked beans



# Other Routes to Finding the Fun

LS

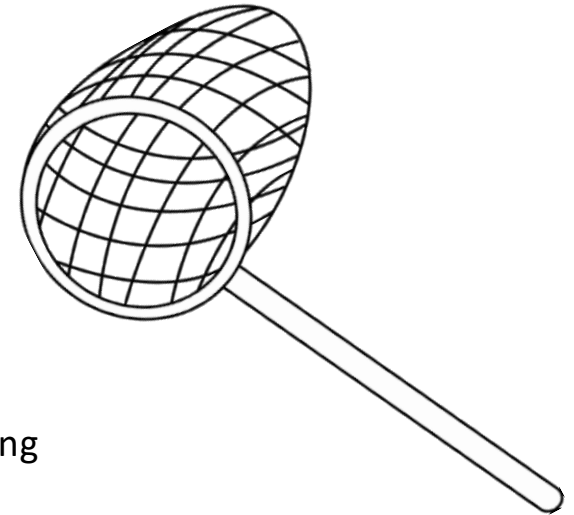
## Channeling the Fun (with MS TEAMS)



- Edible Chemistry (recipies)
- Movie Madness
- Pet Pics
- Halloween photos
- Gamers'R'Us Gaming Nights
  - Among Us
  - Scribbl.io
  - Spymaster

## Capturing the Fun (Padlet)

- Zoom Transcription Fails
  - Chemistry Bad Lipreading



## Gathering the Fun (Gathertown)

- Holding pen for students
- Poster & Social Session
- Games Night
- Meetings

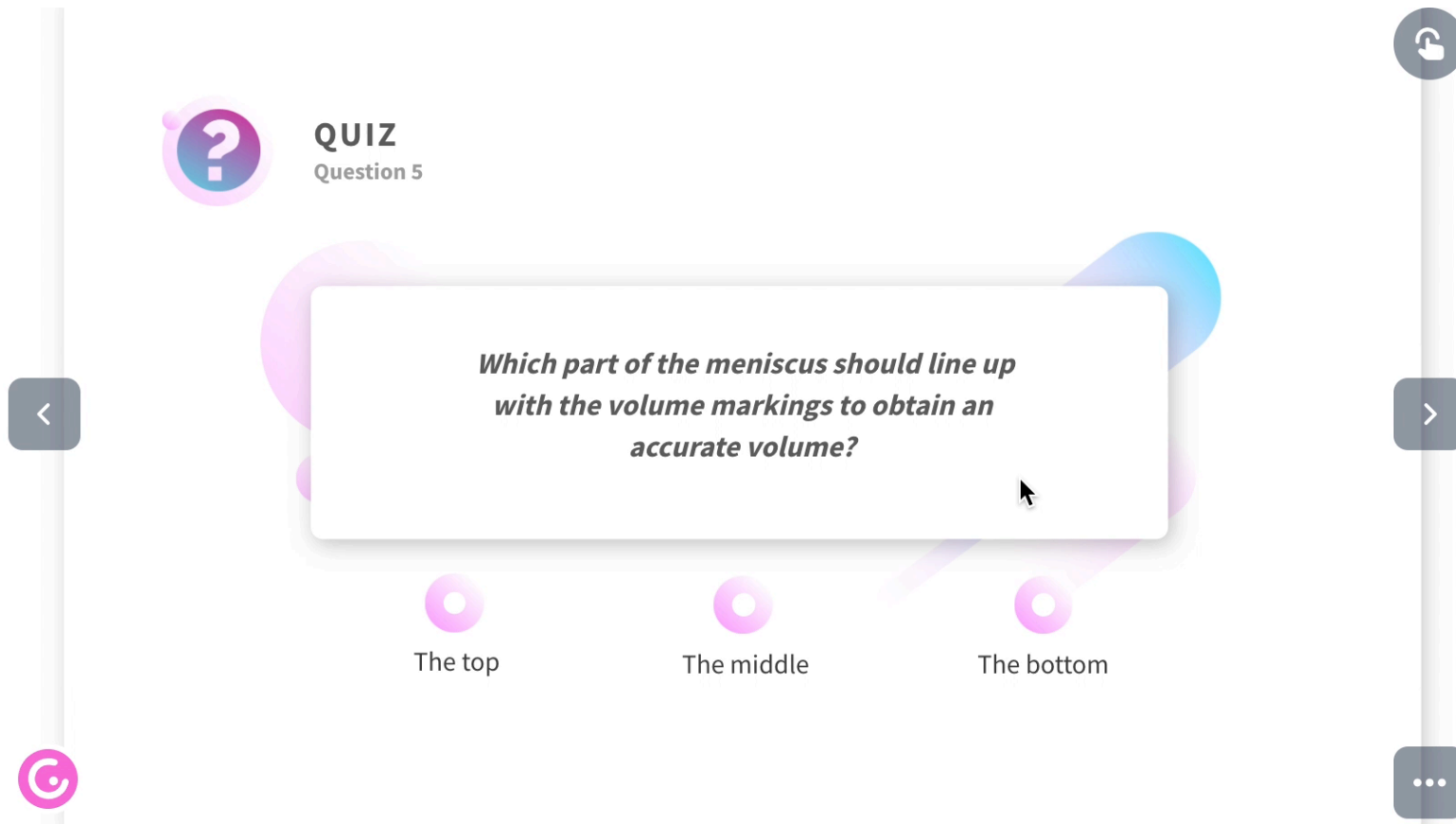


**The powerhouse behind so much of the fun..... The GIF**

# Finding the Fun:

## Student co-creation of Teaching Resources

SO



The image shows a digital quiz interface. At the top left, there is a purple question mark icon next to the text "QUIZ Question 5". The main question is displayed in a white box with a drop shadow: "Which part of the meniscus should line up with the volume markings to obtain an accurate volume?". Below the question are three radio button options: "The top", "The middle", and "The bottom". The interface is framed by a vertical grey bar on the left and right. The left bar contains a back arrow, a copyright symbol, and a share icon. The right bar contains a share icon, a forward arrow, and a menu icon.

**QUIZ**  
Question 5

*Which part of the meniscus should line up with the volume markings to obtain an accurate volume?*

The top       The middle       The bottom

# Finding the Fun:

## Student co-creation of Teaching Resources

LS

*The approach of these labs always make me laugh and I feel I actually learn more as a result since I'm much more engaged.*

*The layout was fun and the gifs were a good addition! i was having a bad day but this cheered me up*

*Very enjoyable and engaging, especially liked the use of gifs.*

# Finding the Fun in the Everyday

SO



# Impact of Fun - our students' perspectives

LS

*These **social interactions** you have both organised throughout the year- the HP challenge, movie nights, games nights etc. on zoom have really been **appreciated** by so many on the course.*

*I'm not usually one for organised fun but this year they have really **kept me sane**.*

*It's an intense course and **coming together as a year group helps** us all a lot, but this year that was made so much harder.*

*You both made it a little less hard and I really appreciate it. It's really nice to know **somebody actually cares about our mental health** and understands this has been incredibly hard on us.*

*You two both deserve **medals**, I really mean that. 🏆 🏆*