

# My Favourite Experiments – More Low-Cost Science

Michael Gregory

15/06/2022



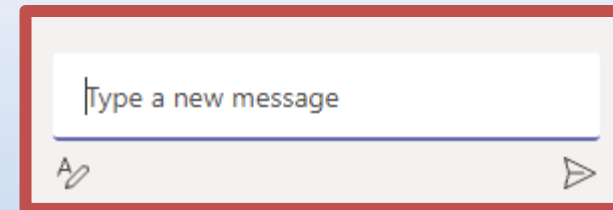
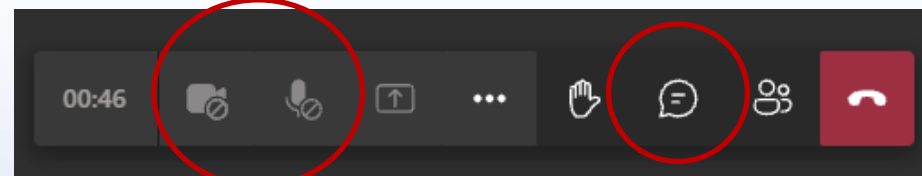
## SCIENTIX

The community for science  
education in Europe

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# INTERACTION IN THIS WEBINAR

- All mics have been **disabled**
- Use the **chat box**
- During **Q&A**: post your question in the chat

A screenshot of the Zoom chat input box. It is a light grey rectangular box with a red border. Inside, there is a text input field with the placeholder text 'Type a new message'. Below the input field is a small 'A' icon for text formatting and a paper plane icon for sending the message.

# PARTICIPATION LIST



<https://forms.gle/pWcbcDtPuBxAxbq29>



1. To ensure we can continue to organise events like this one
2. To send you the feedback form after the event
3. Only way to get a certificate of participation in the event

# Past Scientix Webinars

## Hands-on Experiments from Shared Experiences

Michael Gregory  
15/12/2021



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## December 2021 Hands-On Experiments from Shared Experiences



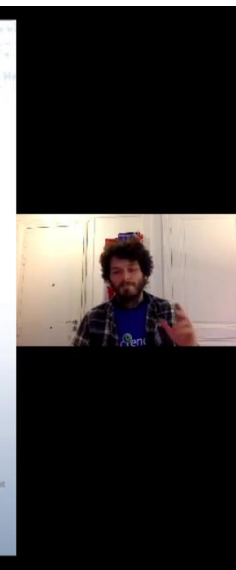
## February 2021 Low-Cost Experiments

### Low-cost Experiments increasing access to hands-on science in your home and around the world

Michael Gregory  
11/02/2021



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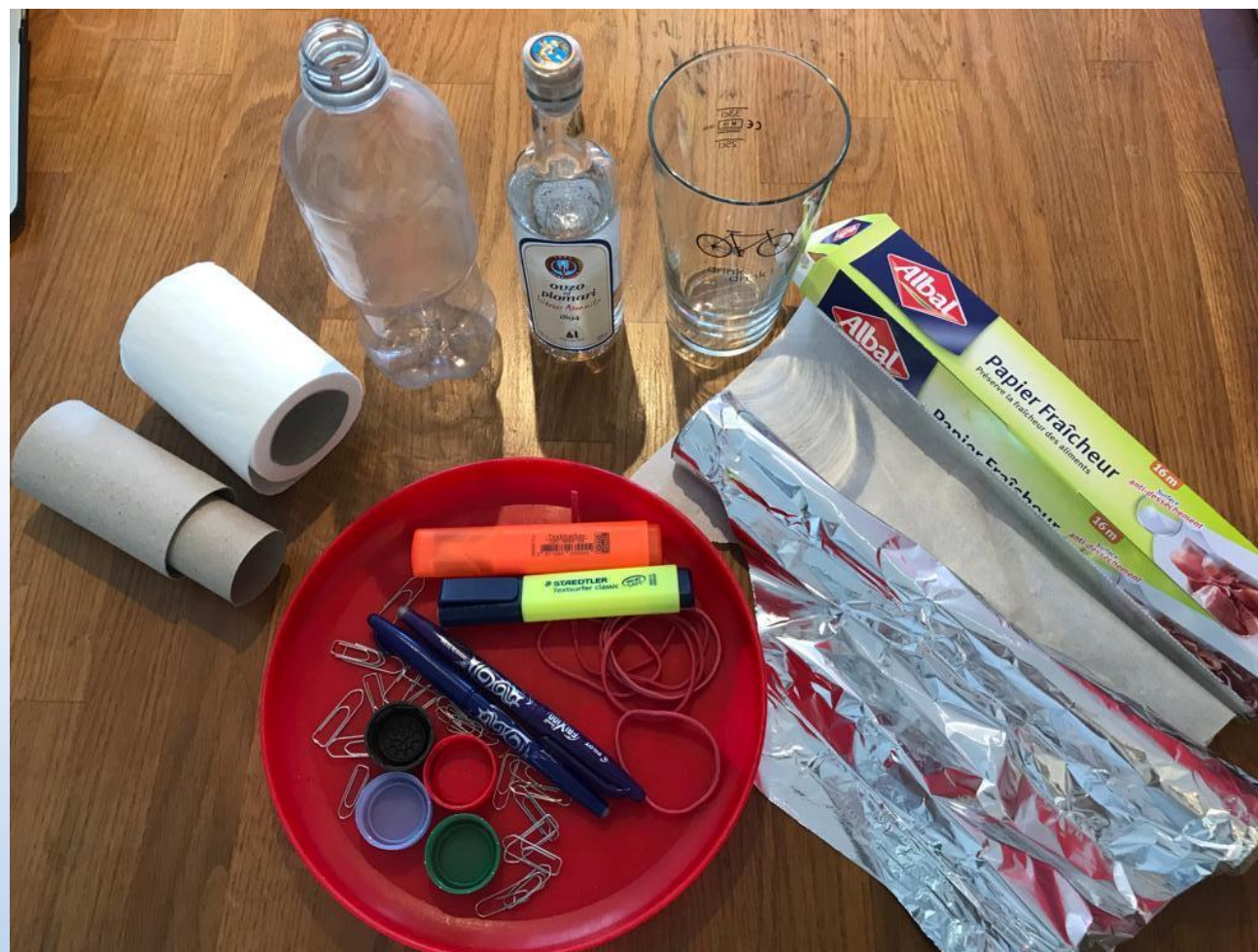




# Recommended Materials

Go grab these things while I talk about myself...

- Toilet paper
- 2 empty toilet paper rolls (ideally two different diameters) or thick paper
- Plate, tray or bowl
- Drinking glass
- Disposable plastic water bottle
- Extra plastic water bottle caps
- Paper clips
- Elastic bands
- Aluminum foil
- Baking paper / parchment
- Erasable pens (ex. Frixion)
- Ouzo, pastis, sambuca or similar (or milk)





$$F_{\mathbb{R}} = \frac{1}{2\pi} \sqrt{4c^2 - 1} \quad (1.1)$$

2020 - Virtual Science Camps

My Virtual Science Camp week 1

Virtual Science Camp - Welcome

Virtual Science Camps

Particle Colliders

Nikita Sidorov

CERN and the Higgs - What's next?

M&M Diffusion

Kelly Foyle

European Schoolnet

www.youtube.com/myfavouriteexperiments

My Favourite Experiments

Andorra

Russia

Portugal

Spain

France

Argentina

Canada

USA

SCIENTIX



# Scientix, Science on Stage, Perimeter, (CERN?)

**Scientix Ambassador since Jan 2021**



**Science on Stage**

**Team France 2022**

**SonS France Ambassador - June 8th**



# Experiment Share



ISSUE 58 – June 2022

Topics Engineering | General science | Physics | Resources

## My favourite experiments – connecting teachers and ideas

Michael Gregory, Gordana Varnica, and Panagiotis (Takis) Lazos

All teachers have at least one favourite experiment that they are eager to share. Read on to learn more about monthly experiment sharing sessions and discover some low-cost physics experiments to try out in your own classroom.

Science is universal, but how we teach it varies greatly from one place to another. All teachers have at least one favourite experiment that they particularly love to share, and new ideas are always being created, evolved, and shared by amazing teachers around Europe and beyond. However, some ideas can be slow to cross barriers, whether they be geographic, cultural, linguistic, or curricular. With 'My Favourite Experiments', Michael Gregory has made it his goal to facilitate the spread

of good ideas between teachers. Since 2017, he has cycled through over 30 countries (including all 25 mainland EU states) asking educators the question "What's your FAVOURITE EXPERIMENT?" and sharing their answers on his [YouTube channel](#).

He also runs monthly online [experiment sharing](#) meetings for teachers, and some physics examples from a recent session are featured in this article.

### The online experiment sharing sessions

The online 'experiment shares' are monthly meetings online for teachers to share their favourite experiments.<sup>(1)</sup> Experiments have been shared by teachers from Canada, Greece, Italy, Romania, Serbia, Germany, Ireland, UK, Brazil, USA, France, Portugal, Bulgaria, Albania, and Croatia, and the list continues to grow!

Most months feature eight to ten experiments from around the world, and cover topics ranging from primary school science to advanced physics topics, with most being appropriate for a wide range of ages, usually upper primary to lower secondary (approx. 10-16 years old).

The goal is for teachers to share experiments with each other, so everyone is encouraged to prepare a short demo of one of their current favourite experiments. Teachers who are not yet ready to share experiments of their own are also very welcome to come along to watch, but active participation is encouraged.

For more information, including dates of upcoming events, please see <https://www.scienceonstage.fr/experiment-share/>.



Image courtesy of Michael Gregory

## Monthly meetings for teachers to share experiments

## Next Experiment Share - June 20th 18:00

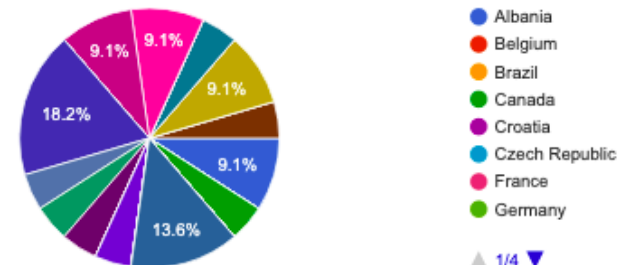
### Registration:

<https://forms.gle/XXtkudvBvAyTJavs9>

What country are you in?

22 responses

Copy

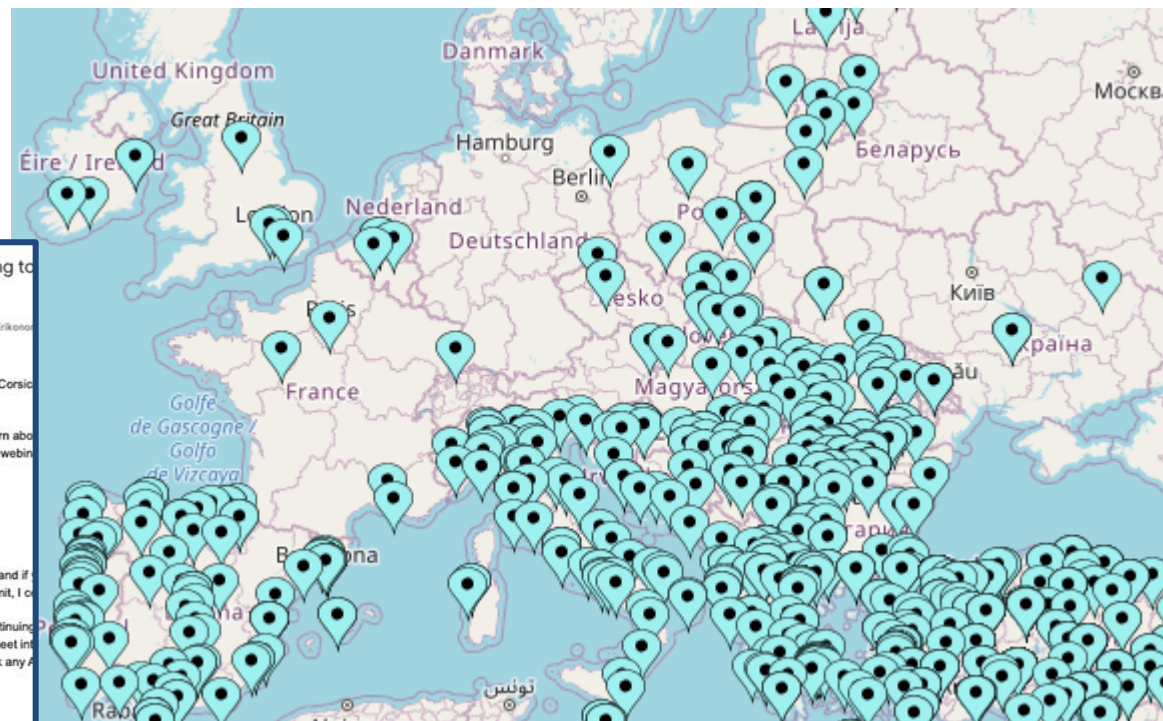
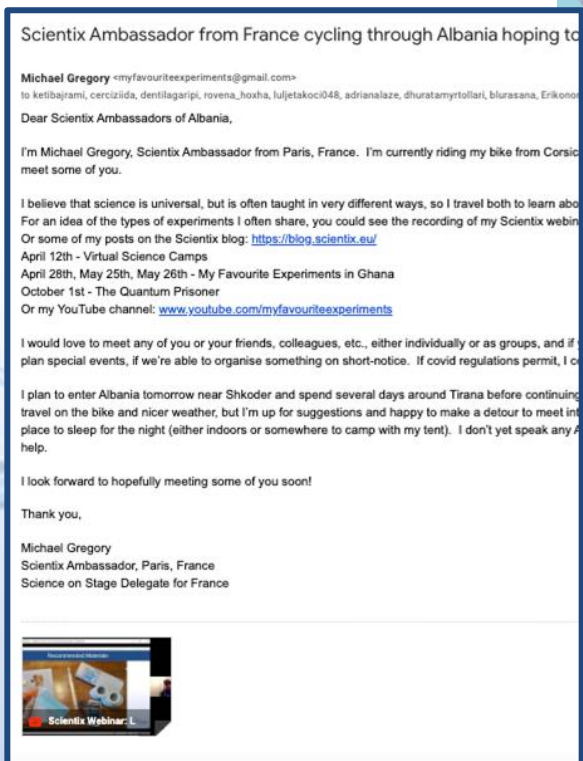




# 2022 - time to cycle across Europe again!

France, Switzerland, Germany, Austria, Slovenia, Croatia, Serbia, Bulgaria, Greece and hopefully a few more in between.

Teacher networks like Scientix and Science on Stage are key for connecting with teachers around Europe.



Visits might include

## Science clubs, guest lessons, other events.



# Science on Your Stage

Hybrid workshops to bring the best teachers in Europe to local areas.

Roughly:

- 1/3 me leading experiments
- 1/3 expert teachers co-leading experiments via Zoom
- 1/3 local teachers presenting experiments

Piloted in Serbia May 17th with Tanja Olear-Gojic; joined by Rute Oliviera in Portugal and Nasko Stamenov in Bulgaria.



**Besplatna radionica „Moji omiljeni eksperimenti: Donosimo vam delić SonS festivala“**

Institut za moderno obrazovanje, kao predstavnik SonS mreže za Srbiju, i Majkl Gregori, SonS ambasador iz Francuske, organizuju međunarodnu **besplatnu** radionicu „Moji omiljeni eksperimenti: Donosimo vam delić SonS festivala“.





# Experiments - World Tour!

**Science show featuring some of my current favourite experiments to perform at schools & science centres as I bike across Europe.**

**Encouraged & coached by science show experts around Europe.**

**Testing around France before presenting at ShowScience and ScienceMe in Geneva early July.**

**Will hopefully be good by the end of the summer when some of you might invite me to your part of the world.**



# Share in the adventure!

**More Information** as it becomes available,  
(ex. updated route, scheduled events, etc.) check:

[www.scienceonstage.fr/michael-gregory](http://www.scienceonstage.fr/michael-gregory)

Also check the **Scientix Blog** and [www.youtube.com/MyFavouriteExperiments](http://www.youtube.com/MyFavouriteExperiments) for updates as I make my way across Europe.

**Experiment Share:**

<http://www.scienceonstage.fr/experiment-share>

Registration for Monday June 20th 18:00 CET: <https://forms.gle/XXtkudvBvAyTJavs9>

**To contact me:**

[myfavouriteexperiments@gmail.com](mailto:myfavouriteexperiments@gmail.com)



# Thank you!



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