

MY BAZAAR RESEARCH COMPETITION 2022

#ScienceBazaar2022



In keeping with British Science Week, the Science Bazaar Beyond's theme is 'Growth'. The My Bazaar Research Competition 2022 celebrates this theme with *'How Science Makes Me Grow!'*



how science
makes **ME**

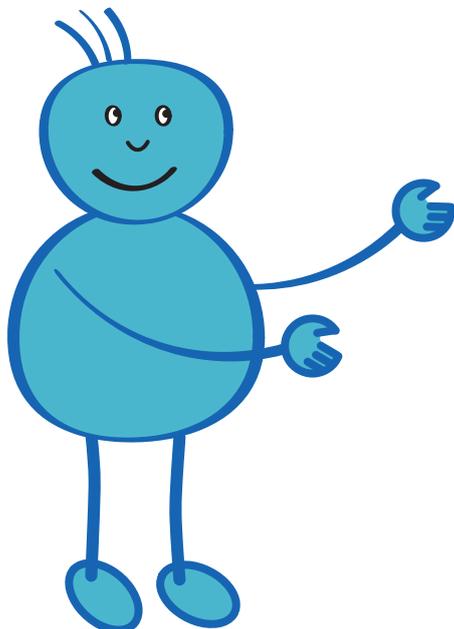


Bob Pomfret

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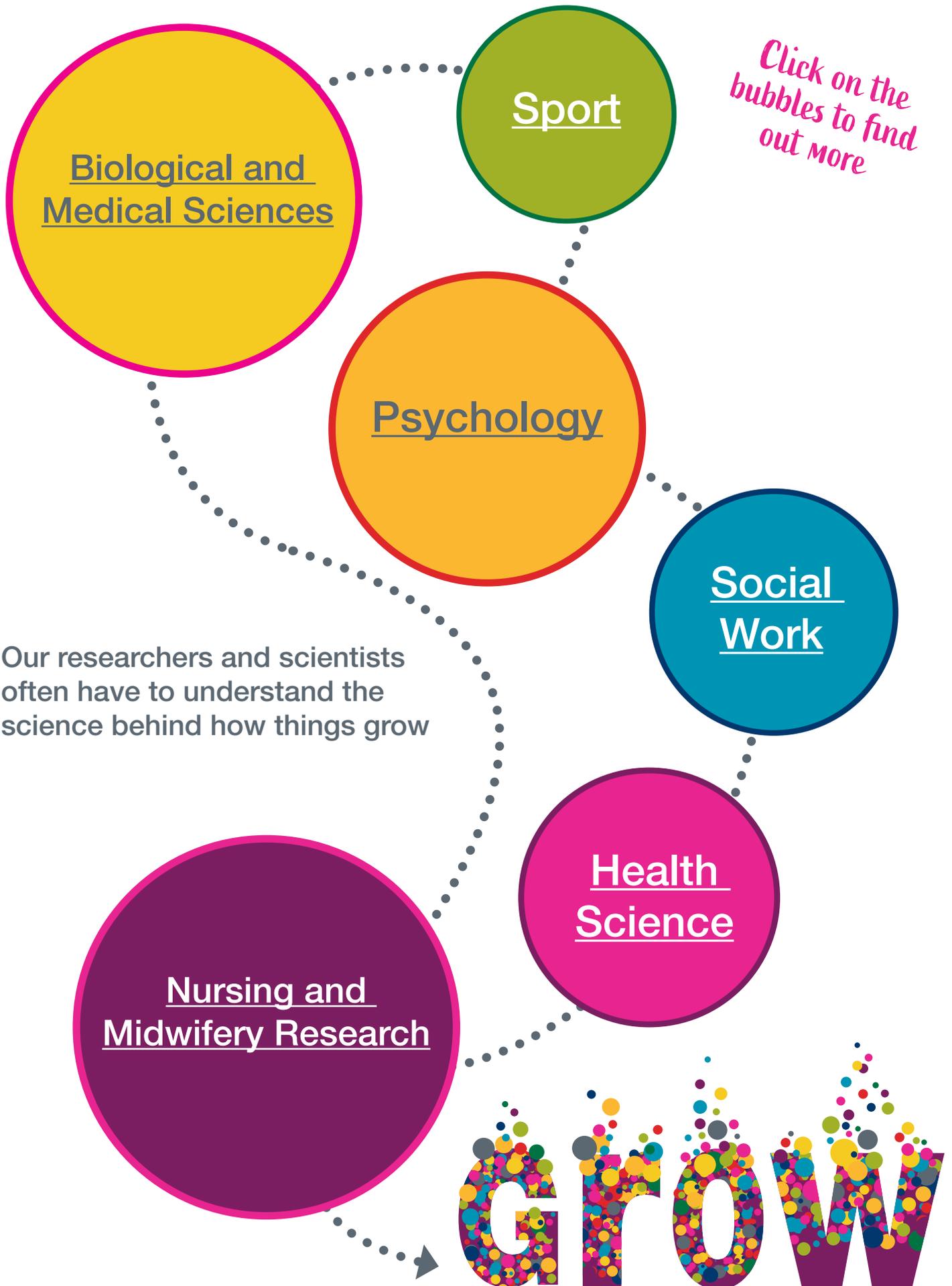
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*including
Gyasi Sheppy
from CBeebies House*



HEALTH AND LIFE SCIENCES IS A HUGE AREA

It includes subjects like:



Our researchers and scientists often have to understand the science behind how things grow

SOME OF OUR RESEARCHERS WILL TELL YOU A BIT MORE ABOUT THIS

I study the parasite Leishmania that makes people and animals sick. The parasite is very small. I watch it under a microscope to work out how the cell grows as this will help find a cure.

[Dr Jack Sunter](#),
Senior Research Fellow,
Biological and Medical Sciences



I research young children's sleep. In Psychology we are working to understand how sleep helps us stay healthy, mentally and physically as we grow and develop

Fiona Tierney,
PhD student of Psychology



I research plant cells using microscopes to see how plants grow and how we can make better plants to feed more people in the world

[Dr Verena Kriechbaumer](#),
Plant Cell Biologist and Protein Biochemist



I try to understand the growth of prostate cancer in black men and why black men are more at risk of developing prostate cancer than white men

[Dr Obrey Alexis](#),
Researcher in the Oxford School of Nursing
and Midwifery



I research how exercise and technology can help children and young people with cancer feel better and grow stronger

[Hayley Marriott](#),
Postgraduate Research Assistant on the EU
Horizon 2020 funded [FORTEe Project](#)



My research consists in preventing people of all ages from getting sport injuries, especially when growing!

[Dr Anne Delextrat](#),
Researcher in Sports and Exercise



NOW OVER TO YOU!

Can you tell us about the growth science you would like to do?

For example;

- What happens when **a baby** grows?
- How does population **growth** affect **the world**?
- Where does the **mass of a tree** come from?

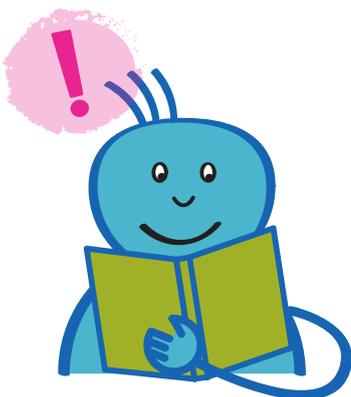
Words in **blue** can be changed if you are seeking further ideas



THE COMPETITION!

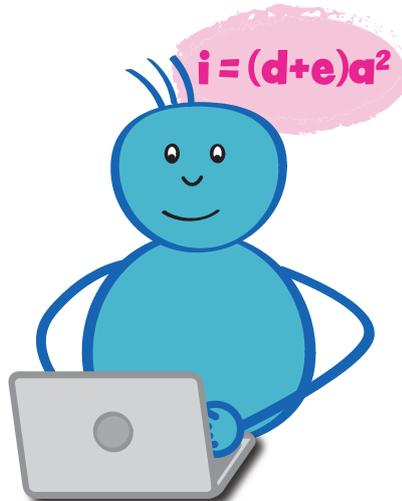


WHAT TO DO



1) Think about what Science makes you grow? Hint! Research it via the internet or at a library.

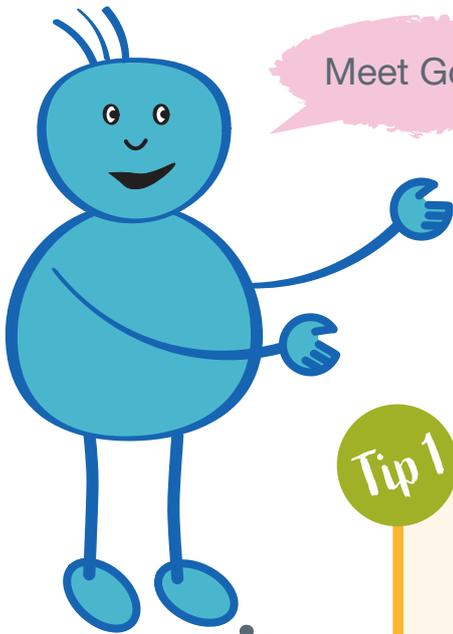
2) Write down the 'science bit' and check you understand it.



3) Try to explain 'the Science bit' in a story...



...you might want to invent an imagined character (human, animal or plant!) to help make the story more fun.



Meet Govind



4) [Govind Chandran](#) is a film and media lecturer at Oxford Brookes. Here are his **top tips** for creating an exciting storyboard!

Tip 1

Think of it like a very simple comic book of the movie! Fit the images into boxes or 'frames'. Some comic-book films like Spiderman even use scenes from the comic books as their storyboards.

Tip 2

It only needs the key elements. You don't need complicated backgrounds, just the characters and objects they might use. Keep it simple.

Tip 3

*Use arrows!
If a character needs to move, draw an arrow showing us the direction. This can even be a hand with an arrow pointing up showing that the hand moves up.*

Bonus Tip

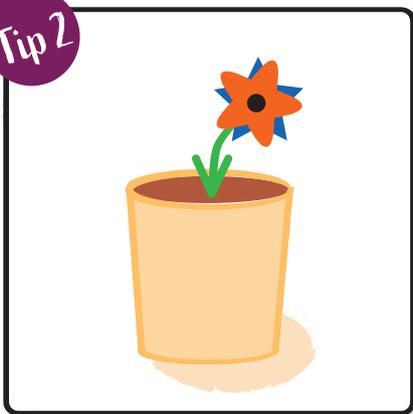
***Have fun!**
There's no wrong way to do a storyboard. It's your vision!*

5) Use [the storyboard template](#) below, to explain your 'growth research'

Tip 1



Tip 2

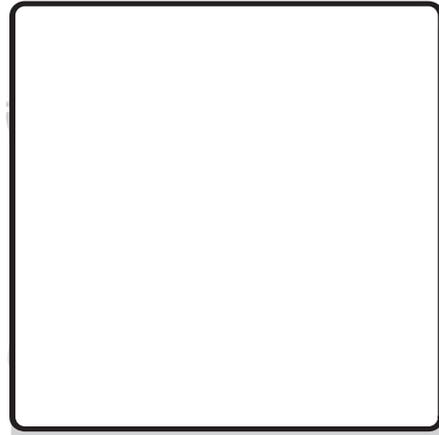
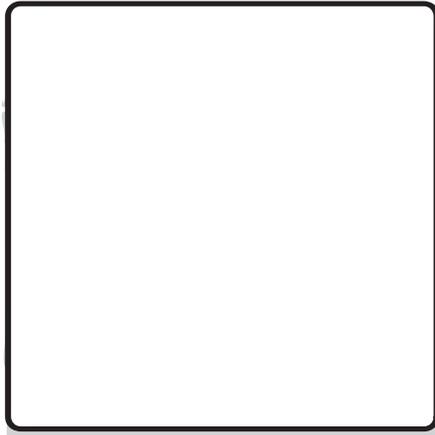
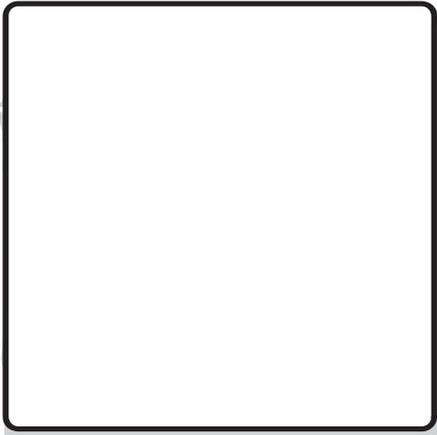


Tip 3



STORYBOARD TITLE: _____

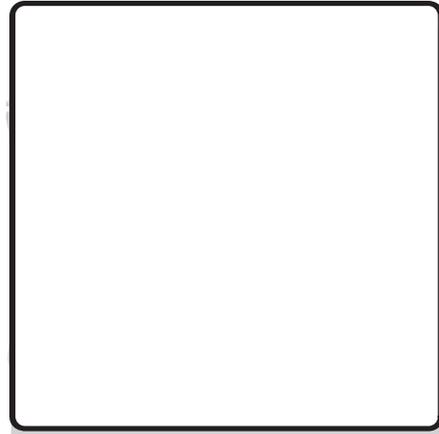
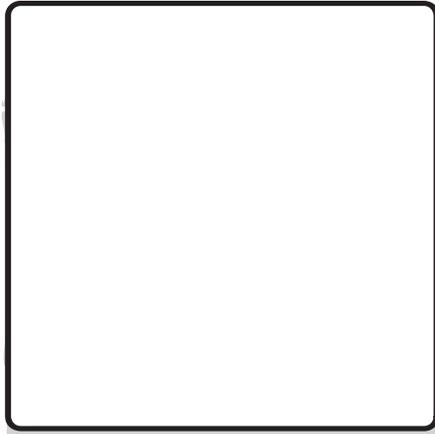
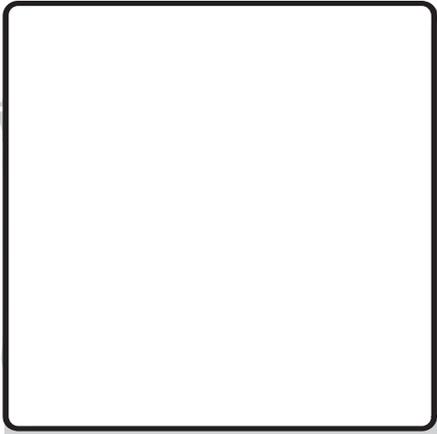
print this page (pp.8) to use for your storyboard



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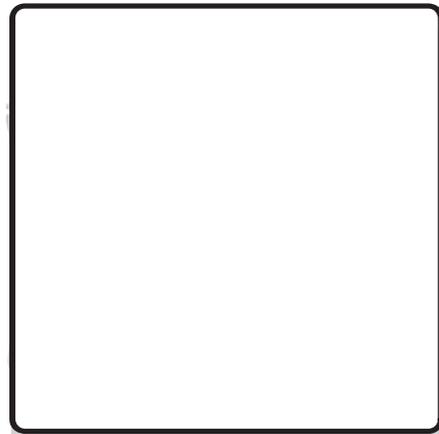
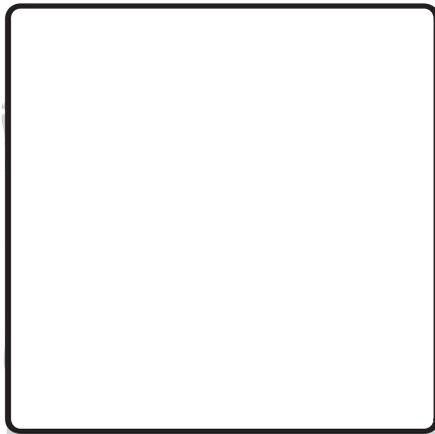
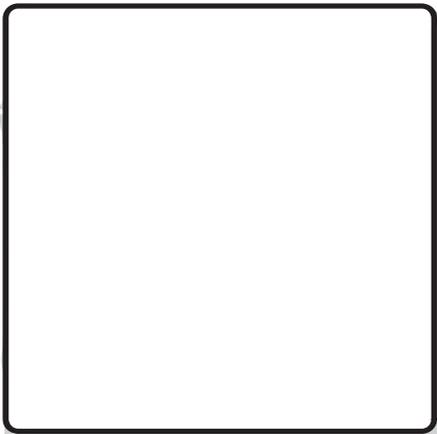
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NOW YOU HAVE YOUR STORYBOARD!

When you are happy with your work, you can ask your parent, carer or teacher to [submit your completed form HERE](#)

PRIZES

11 TO 12 YEAR OLDS

FIRST PRIZE -

- a virtual certificate from Oxford Brookes University
- a £20.00 book voucher and a mentoring programme - see below

SECOND PRIZE -

- a virtual certificate from Oxford Brookes University
- a £20.00 book voucher

7 TO 11 YEAR OLDS

FIRST PRIZE -

- a virtual certificate from Oxford Brookes University
- a £20.00 book voucher and a virtual lab tour for you and your school class

SECOND PRIZE -

- a virtual certificate from Oxford Brookes University
- a £20.00 book voucher

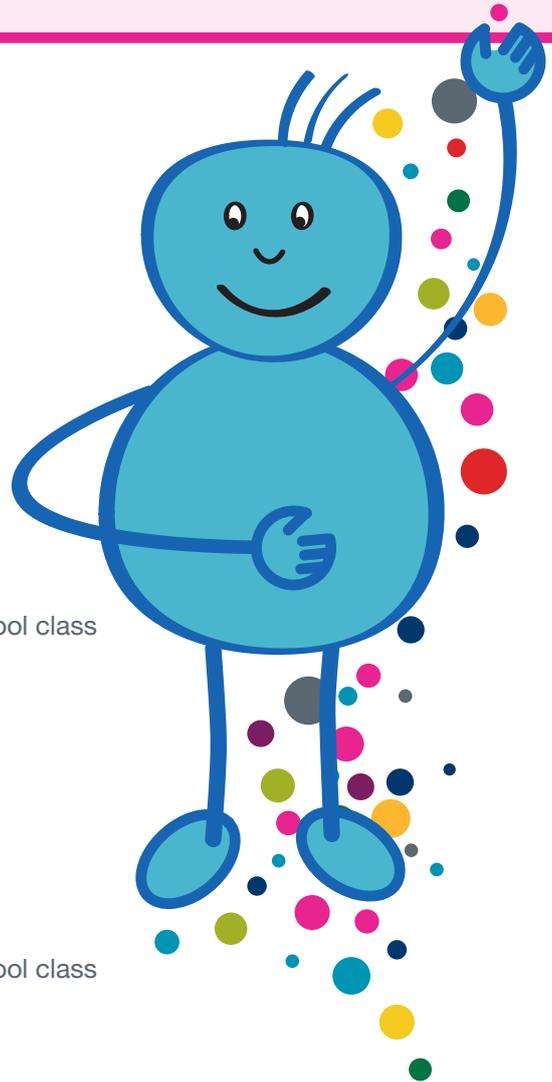
4 TO 7 YEAR OLDS

FIRST PRIZE -

- a virtual certificate from Oxford Brookes University
- a £20.00 book voucher and a virtual lab tour for you and your school class

SECOND PRIZE -

- a virtual certificate from Oxford Brookes University
- a £20.00 book voucher



VIRTUAL TOUR OF A SCIENCE LAB

For ages 4-7 years and 7-11 years (Reception to year 6), the first prize will be a book voucher and virtual lab tour with [Dr Maïke Kittelmann](#), Senior Research Fellow in Developmental Biology and Bioimaging. The prize winner can undertake the virtual tour with their class if they are attending school.



I am interested in how fly eyes grow and how their final size is determined. We use scanning electron microscopes to look at the eyes of insects and spiders to better understand how they develop and function. This can also help us to learn about our own vision and human eye diseases.

Oh my what big eyes you have!



VIRTUAL MENTORING SESSION(S) ABOUT A CAREER IN SCIENCE

For ages 11 to 12 years (year 7) the first prize will be a mentoring session(s) with an Oxford Brookes Health and Life Sciences Researcher to talk about their research, your ideas and a career in Health and Life Sciences research.

MEET OUR MENTORS



[Dr Sangeetha Thondre](#) is a Nutrition researcher

[Dr Shelly Coe](#) is a Nutrition researcher



[Stan Windsor](#) uses digital technology to help people who are sick grow stronger through exercise



[Dr Casper Breuker](#) is a Biologist



[Dr Georgia Cook](#) is a psychologist who explores sleep in children, young people and their families'



[Dr Mamdooh Alzyood](#) specialises in infection control practices



OUR JUDGES

Dr Astrid Schloerscheidt

Astrid is the Dean of the Faculty of Health and Life Sciences here at Oxford Brookes. She grew up in Germany and moved to the UK to study Psychology. She stayed to do a PhD and then worked at several Universities in the UK before coming to Oxford Brookes. Astrid has worked with students for over 20 years and is passionate about teaching and science.



It is a real honour to have been asked to judge this STEM competition on 'Growth'. Acquiring knowledge about the natural world, from understanding the workings of cells that make-up living organisms to how plants, animals and people interact in big ecosystems is not only interesting but also important so we can ensure that the world around us remains healthy so that we can enjoy it for a long time to come. I am really looking forward to seeing the entries and all the creative and wonderful ideas that you will show us.

Gyasi Sheppy

Gyasi is the new regular Presenter of CBeebies House. He hails from Lisburn in Northern Ireland and has recently landed his dream job as a TV Presenter. Gyasi has been performing his whole life having worked on stage and screen in Northern Ireland and The Walt Disney Company



Being asked to judge this STEM competition on 'Growth' is an honour. For young people to be exposed to science and learning how the natural world around them works is vital to their development. I look forward to seeing how creative and artistic these young people can be in showcasing an understanding of their chosen topics.

Dr Elsa Panciroli

Elsa is a Research Fellow at the Museum of Natural History in Oxford

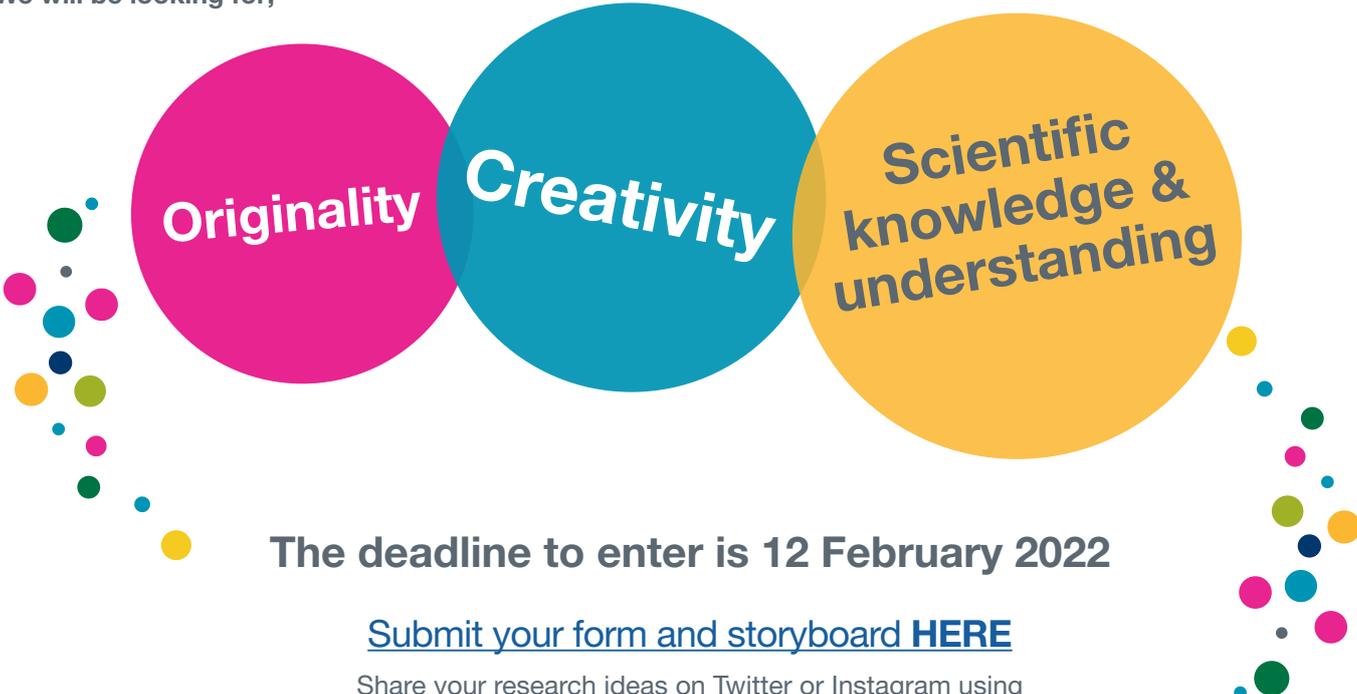


I'm really excited about this competition! The science of how everything in our world grows is amazing, and often baffling. I'm a Scottish palaeontologist, and I study the fossils of extinct animals as part of my research at the University of Oxford Natural History Museum. One thing fossils can tell us is how animals grew in the past. Different animals alive today grow at different speeds and patterns, and I want to find out how these patterns evolved over many millions of years. I'm especially interested in our ancient ancestors from the time of the dinosaurs, in the Jurassic. Did they come from eggs, or were they born straight from their mothers, like mammals today? How quickly did they grow up and leave their parents to look after themselves?

WHAT ARE OUR JUDGES LOOKING FOR?

There will be a winner in each of 3 age groups: 4 to 7 years, 8 to 11 years, 11 to 12 years.

We will be looking for;



Originality

Creativity

Scientific
knowledge &
understanding

The deadline to enter is 12 February 2022

[Submit your form and storyboard HERE](#)

Share your research ideas on Twitter or Instagram using
#ScienceBazaar2022 once you have entered.

Check the competition rules below.

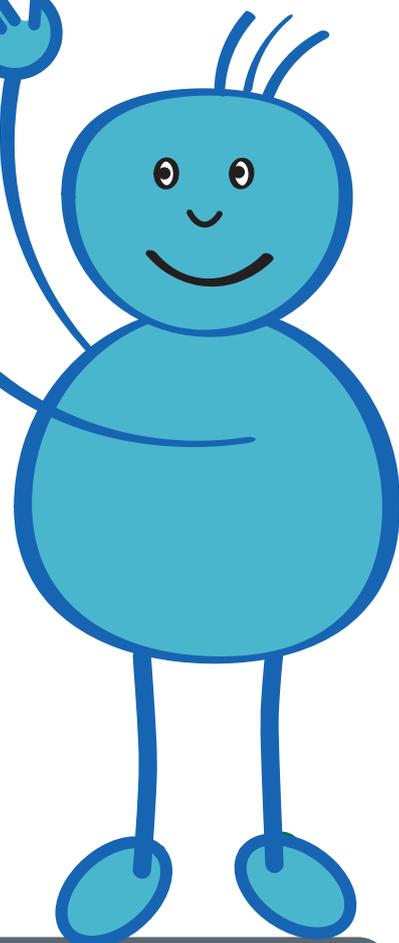
OXFORD BROOKES UNIVERSITY MY BAZAAR RESEARCH COMPETITION 2022

Rules

1. The competition is organised by Oxford Brookes University.
2. Entry to this competition is open to persons living or attending school in the UK who will be aged between 4 and 12 years on Saturday 12 February 2022. Entry will be in 3 age groups, 4-7 years; 7-11 years; 11-12 years.
3. Entrants must submit an original idea (the work must be individual and the young person's own work) for scientific research, including a question they would like to answer or explore and what interests them about this area of science. Entries can be submitted in any format that the entrant chooses, which can be shared on social media: Only entrants' name and age and school will be published with an entry.
4. All entries should be submitted in English.
5. Entries should be submitted by a parent or carer by submitting the completed Google entry form, including the storyboard.
6. You can also share your research ideas on Twitter or Instagram using #ScienceBazaar2022.
7. Entry closes on Saturday 12 February 2022 at 20:00. Submissions received outside of these times will not be considered.
8. Entrants can only enter individually. Entrants cannot submit multiple entries.
9. Entries must be the entrant's original work and must not infringe the rights of any other party.
10. Feedback will not be provided on entries.
11. Entrants agree that the copyright for their competition entry shall be vested in Oxford Brookes University, provided the author is attributed.
12. By submitting an entry, the entrant's parent or guardian agrees that Oxford Brookes University may at its sole discretion edit, adapt, abridge or translate the entry.
13. Entries will be judged on the following criteria: Originality, Creativity Scientific knowledge and understanding.
14. Entries will be judged by Oxford Brookes University Health and Life Sciences research staff. and the nominated Judges. Decisions will be final and no communication will be entered into.
15. Winning entries will be shared on social media.
16. Winners will receive a virtual certificate from Oxford Brookes Health and Life Sciences. For age categories 5-7 years and 8-10 years, prizes will be a virtual certificate, a virtual tour of an Oxford Brookes Health and Life Sciences laboratory with an Oxford Brookes Health and Life Sciences researcher and a book voucher. For age categories 11-12 years, winning entrants will receive a Health and Life Sciences research mentoring programme (max of 45 mins per session with an Oxford Brookes Health and Life Sciences Researchers to talk about their research, the entrants' ideas and a career in science. They will also win a book voucher and a virtual certificate.
17. Winners will be contacted by email during February 2022 using the contact details they provided on entry. Winners will be publicly announced on Oxford Brookes social media channels during February 2022.
18. Oxford Brookes University reserves the right to disqualify any entry which breaches any of these rules or brings the University into disrepute.
19. Oxford Brookes University reserves the right to amend these Rules or cancel this competition at any stage if deemed necessary in its opinions, or if circumstances arise outside of its control.

If you have any questions about this competition, please email hlsresearch@brookes.ac.uk

Have fun & Good Luck



My Bazaar Research Competition 2022

OXFORD
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