



@SurreyOutreach

#SurreyUniWPO

# In School Activity 2020

## Wellbeing & Resilience | All Year groups

Together we'll explore what having mental resilience and wellbeing means. We'll practice different daily techniques that can help foster the skills to develop and increase our own mental and emotional resilience and wellbeing.

## Year 7 & 8 Activity

### Microorganisms, Monsters and Infection Control | Years 7 – 8

Your students will learn about the spread of microorganisms and how to control infection. Students will also learn about how microorganisms are adapted for survival and will design their own new microorganism applying what they have learnt.

### Animal Welfare | Years 7 – 8

Your students will learn about animal welfare and The Five Freedoms. Students will design a new enclosure at a zoo, considering enrichment for the animals as well as how information about the animals and conservation projects will be displayed to visitors. We'll also talk about Veterinary course and careers in Veterinary Science.

### Compete for Your Seat | Years 7 – 8

Your students will learn about politics by creating a brand-new political party with their own manifesto, policies and values. Students will have the power put into their hands, making tough decisions for the whole of society as if they were the elected Government!

### How to Win at Rock, Paper, Scissors | Years 7 – 8

Using mathematical analysis, this workshop invites pupils to explore the possibility of increasing their chances of winning a game of rock, paper, scissors. By becoming introduced and further familiar with game theory and probability, pupils will learn how to identify patterns and mathematical techniques found within a game of rock, paper, scissors.

### Design, Build, Reuse | Years 7 – 8

Blending engineering with business, students design, build and test various structures in a bid to win a construction contract. Acting as an interactive introduction, this workshop appeals to students who enjoy problem solving and competition.

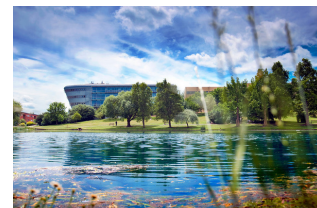
## Year 8 & 9 Activity

### Evolution in Action | Years 8 – 9

Your students will learn about how different species adapt to survive in their environment and be challenged to think about how humans might evolve in the future. There may also be an opportunity to talk to current Surrey students about evolution in action and the issue of antibiotic resistance prevalent in society today.

### Exploring Artificial Intelligence | Years 8 – 9

Blending science with engineering, pupils will be introduced to artificial intelligence and will be challenged to consider its current status and future potential. They will discuss the law and ethics behind artificial intelligence machines and will form their own arguments and present them to the rest of the class.





# In School Activity 2020

## Year 9, 10 & 11 Activity

### **Speak Up! Speak Out! | Years 9, 10 & 11**

How can we use the arts to express thoughts and feelings? Students will experience the powerful impact of spoken word poetry, writing and performing their own personal pieces to help them speak out about important topics in an expressive way.

A longer 2-hour version of this workshop will be offered throughout October to coincide with Black History Month.

### **Ready, Steady, Pitch | Years 9, 10 & 11**

Students will discover the fundamentals of product design and marketing. They will become budding entrepreneurs by creating their own innovative product and pitching it to the rest of the class!

## How will the session work?

To ensure that sessions are run with the safety of students, teachers and WP&O staff in mind, the following precautions will be taken:

- There will be no contact between WP&O staff and students, with WP&O staff members remaining at the front of the class for the duration of the session.
- Any resources provided by WP&O staff will either be single-use only and will not need to be returned at the end of the session (e.g. paper worksheets) or will be sterilised before the session and taken away to be cleaned by WP&O staff at the end of the session (e.g. laminated sheets).
- WP&O staff will advise teachers in advance if any additional resources are required for the session (e.g. paper, pens, other stationary, etc.) so that teachers can prepare.
- Activities will not necessitate large groups of students working together and movement around the classroom will not be encouraged – activities will be either individual or pair-based to keep contact between students to a minimum.
- Prior to any session, WP&O staff will liaise with teachers to ensure that the school's specific COVID-19 policies are adhered to – WP&O are happy to adapt sessions so that schools can be confident that all precautions are being taken.
- Teachers, where applicable, can advise WP&O staff of any additional needs to be considered, so that all students can benefit from the session – WP&O can adapt resources accordingly.
- As WP&O will keep the number of WP&O staff and Student Ambassadors entering the school to a minimum, we will require support from teachers to encourage engagement and manage behaviour.

