

REAL-WORLD PROBLEMS

Year 10 - 13

Learning about real-world problems with epistemic insight (meta-cognition)

What is and should be the role of science in helping us to answer some of the problems we are facing in society today? These workshops with epistemic insight support students to investigate the powers and limitations of science through the lens of a real-world problem, and through mock committees students develop their understanding of the importance of multidisciplinary thinking. In these sessions we develop young people's interest in how science applies to real-world problems with interactive, engaging and thought-provoking activities.

Each session lasts 90 mins and can be delivered in school or virtually. We ask that you choose at least 2 workshops that can be delivered within an 8 week period.

Choose 2 of the following workshops

- **Climate Change Challenge** Students will form a committee tasked with deciding how to cut greenhouse gas emissions, exploring the different ways that science impacts real-world decision making.
- **Vaccinating Covid-19** Through a mock 'SAGE' advisory group exercise, students will find out how different disciplines can help guide decisions about vaccination.
- **Saviour Siblings** Students will investigate scientific and ethical issues concerning an innovative new genetic selection treatment with implications for how we think about human personhood.
- **Sustainability and Survival** Through engaging with the new challenges of caring for our planet, students will discuss the connections between different types of knowledge, including science and religion.
- **Robots and Responsibility** Can robots be held responsible for their actions? Students will role-play a legal consultation involving AI, engaging with the complexities of the law around advanced technology.
- **Driverless Cars** Students will form a committee tasked with implementing driverless cars safely, considering the different kinds of knowledge needed to make complex decisions.

To find out more and to book, please email us at:

KAMCOP@canterbury.ac.uk