

# SCIENCE @ STEWARTON

TUESDAY 24<sup>TH</sup> JANUARY

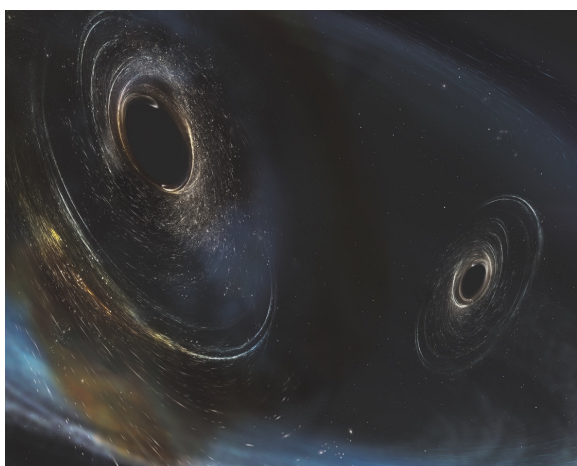
6.30pm to 8.00pm

STEWARTON ACADEMY

Cairnduff Place, Stewarton, KA3 5QF

## How colliding black holes can help us predict volcanic eruptions

Gravitational waves – fluctuations in space-time – were first detected in 2015. Not only did their discovery open new windows of research in astronomy, they also allowed for the advancement of research and technology in many different fields. This talk will discuss how work carried out at the University of Glasgow has utilised techniques from gravitational wave detectors to develop gravity sensors for use in environmental studies, including creating early warning systems for volcanic eruptions and groundwater monitoring, highlighting the variety of avenues available through physics research.



### How does it work?

- All sessions are free and open to everyone.
- We begin with refreshments from 6.30pm to 7pm.
- Then we settle in to café style seating to explore our universe with a short talk by our speaker, followed by an open informal discussion.

### Future events

- Thursday 23<sup>rd</sup> February and Thursday 30<sup>th</sup> March