

Pictures of Gravity

We interact daily with gravity. It keeps our feet on the ground and the Earth orbiting around the Sun. Yet it's not often that we stop and consider what gravity actually is. Our challenge to you is to share with us your own picture of gravity. What is it? How can we describe it? What experiments can we carry out to investigate it?

The challenge:

- For primary pupils is to investigate gravity alongside forces such as the magnetic and electrostatic forces
- For S1–3 pupils is to investigate what gravity is and how our knowledge of it has changed over time
- For S4–6 pupils is to describe the most recent developments relating to gravity, in particular the discovery of gravitational waves

The competition:

- Teams of four are asked to submit a poster and essay (depending on their age category)
- Entries will be judged according to three age groups: primary, S1–3 and S4–6
- The deadline for submission is 31 March 2017
- Finalists will be invited to a celebration event at the University of Glasgow in summer 2017
- Each individual winner will receive a prize and the school of each prize-winning team will receive a trophy

Full details on the competition, including the format of the poster and how to enter, can be found on our website iopscompetition.org.uk

Image: Courtesy Caltech/MIT/LIGO Laboratory

