

# News and Views

## Science

### PRACTICAL SESSIONS

Exciting and accessible practical sessions are extremely important in our department to bring to life the subjects that we are learning about. The two main areas we have covered this term are:

#### THE HEART

Students took part in a full dissection of the heart by our resident Biology expert—Mr Kerrigan. The dissection highlighted the passage of bloodflow through the heart, students were able to feel all key features of the heart including the four chambers and valves.



#### THE STRUCTURE OF THE EARTH

Our science group have been learning about the structure of the earth this term. To model this they used various objects including a crème egg! Here is a picture of the models they made out of plasticine, the three main layers are represented as different colours; the crust, the mantle and the core.



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### TALKS

All students at Tipton have the opportunity to take part in exciting and aspirational talks from many different outside sources.

#### STEM CLUB

Tipton School had a visitor this term, a qualified Vet with his own ultrasound machine. Students were given a whistle-stop tour of ultrasound scanning and had the opportunity to ask questions. This was particularly exciting for one of our VS students, Jerri, who is an aspiring vet herself.

Jerri: “ It was really interesting because I want to work with animals. It’s interesting to listen to someone who is already working in that field. The ultrasound equipment he had was amazing!”

### SCIENCE STAR IN THE NEWS...

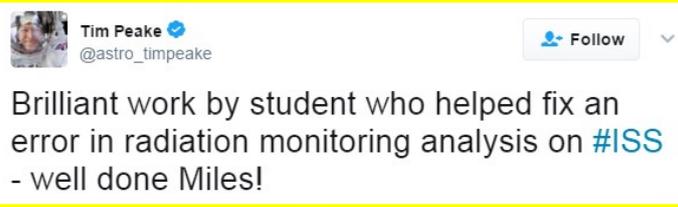
Miles Soloman, one of our sixth form students, made an exciting discovery in his Physics A Level class, which has deemed him something of an over-night celebrity! Miles was taking part in a project looking at radiation data on Nasa’s international Space Station, when he discovered that it was recording false data.



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Miles describes being given “loads of spreadsheets” and noticing negative readings of radiation—he knew this must be an error and contacted Nasa along with his Physics teacher, Mr O’Neil. Nasa told Miles that they were aware of this error, but that it was only happening once or twice a year. Miles checked the data again and informed them that actually, it was happening once or twice a day! Basically, Miles had discovered something that no one else had noticed—he thinks that’s “pretty cool” and I think we would all agree with him.

News of this scientific discovery spread fast and Miles became something of an overnight celebrity, being interviewed by the BBC and more, with many of his videos going viral. He has even been tweeted by Tim Peak himself...



It’s safe to say that we are all very proud of Miles here in the Vision Support Department at Tipton School.... And only a little bit jealous!