

English: Ignite have started their new module, which is the study of the modern play *DNA* by Dennis Kelly. The play deals with important themes such as gang culture, peer pressure and responsibility and will allow the students to have meaningful discussions about these issues. Year 10 have been completing their Natural World module and have had their summative assessment. Year 11 have been revising for the upcoming PPEs.

Applied Science: Year 12 have been learning about electronic configuration and periodicity relationship between groups and periods of the periodic table. Year 13 have been learning about thermodynamics in physics and in organic nomenclature in chemistry this week. They are also starting their examination preparation by learning about the effects of pesticides on bees and answering questions in relation to the implications associated with his issue.

History: Ignite have been learning about two key Islamic figures in the development of medicine- Al Razi and Ibn Sina. Year 10 have been learning how Renaissance hospitals become more scientific. Year 11 have been revising The Treaty of Versailles and completed an assessment. Year 12 have studied The Seven Years War and Henry VII's foreign policy and Year 13 have been evaluating to what extent the mid Tudor period was a crisis.

PBL: Ignite are working on their genealogy project where they will use ancestry and their own research to construct their family tree and learn about their family history. In the lab they are learning how to extract and analyse DNA and learn about the applications of DNA technologies. This week they were introduced to both aspects of the project using the work of Svante Paabo who was recently awarded the Nobel Prize for physiology and medicine for his work revolutionising the field of paleogenetics, where DNA and genome sequencing is used to learn more about our evolutionary past. Year 10 and 11 have been presenting academic posters about their planned UN Development Goals projects. The students presented their work well and gained valuable experience communicating their research.

Creatives: Our year 12 creatives have had a presentation from The Kazamier a multi discipline art collective who created one of the light sculptures for the Liverpool River of Light festival.

Engineering: This week in Engineering we have had a visit from Fiona Borthwick who is the leader of "built environment" at LJMU in to explain the courses and roles within the sector. It was a great session with a super focus on the new Everton football stadium. She explained how the different roles: Civil Engineer, Construction Project Manager, Services Engineer, Quantity Surveyor, Subcontractors, and Trades all work together to produce the build. She also explained how technology is shaping the landscape of this exciting industry including AR/VR, Drones and software modelling. Images below

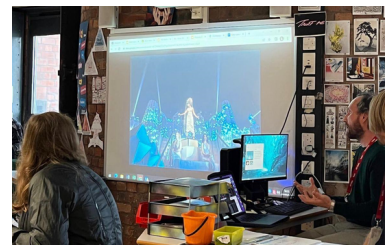
We have also been planning our smart factory expo stand for the Digital Manufacturing Week Smart Factory Expo on the 16th and 17th of November. Our students will be working with our partner companies, Autdoesk, BAC, Vinci, Surface Transforms and Bulgin to demonstrate what an industry linked education will mean to them

Psychology: Year 10 learned about non-experimental methods in psychological research such as questionnaires and interviews and case studies and observational studies. Year 11 studied obedience this week learning about Milgram's famous electric shock study and his Agency Theory. Year 12 started their study of biopsychology, learning about the nervous system, neurons and synaptic transmission, creating models in class to demonstrate their understanding.

Sociology: Year 10 have been learning about conjugal roles within the family and whether they are distributed evenly within a modern family. Year 11 have been learning about theoretical perspectives of crime and deviance and their relevance to contemporary society. Year 12 have been analysing various factors that contribute to the difference in educational achievement between male and female students and why we have 'gendered' subjects within schools. Year 13 have been considering various theoretical and statistical evidence on whether class still exists in our society and the effect this has on their life chances.

Health and Social Scientists: Health students have had an excellent week with lots of inspiring opportunities. On Monday and Thursday, Penny Dunne visited from Edge Hill University to deliver workshop sessions to Year 13 health and social science students on how to improve their personal statements. On Tuesday, students had the opportunity to hear from a range of speakers including a mental health nurse, dietician, district nurse, midwife, podiatrist, school nurse and health visitor. This was a brilliant opportunity to understand more of the range of careers within health and think about potential routes into different areas of specialism.

Criminology: Year 12 have been evaluating methods of collecting statistics about crime in preparation for their controlled assessment. Year 13 have been examining information sources such as evidence and official trial verdicts for validity.



Edge Hill University

