

Materials Matter @ Luxfer MEL Technologies

Friday 22 March 2024

Materials, Minerals and Mining Engineering play a crucial role in our lives as everything around us has been made from materials originating from the ground beneath our feet. These fast-moving fields impact upon the technology we rely on to improve our quality of life and yet how often do you stop and consider the intricacies of the things around you?

This FREE one-day conference will give you the opportunity to explore the Luxfer MEL Technologies site, investigate careers in the metals industry and discover the vital role light metals play in our everyday lives.



WHO IS IT FOR?

This event is for young people in year 12 with an interest in STEM subjects who would like to find out more about materials, minerals and mining engineering. Schools are invited to bring a team of 7 students (maximum), accompanied by a member of staff.



WHERE IS THE VENUE?

The conference will be held at the Luxfer MEL Technologies site on the north side of Manchester. Details of where to meet will be provided to schools that secure a place.

HOW DO I BOOK?

Please complete the registration form on page 3. If you have any questions or want to check availability, contact diane.aston@iom3.org

PROGRAMME

0900 to 0915	Arrival and registration
0915 to 0935	Welcome, introductions, housekeeping & safety briefing
0935 to 1015	Light and Non-Ferrous Metals Around Us, Michael Kenyon
1015 to 1050	Introduction to Luxfer MEL Technologies
1050 to 1100	Break
1100 to 1220	Activity or Tour
1220 to 1300	Lunch (please bring packed lunches)
1300 to 1420	Activity or Tour
1420 to 1445	From what you have seen, feedback on new ideas
1445 to 1525	So, what next?
1525 to 1530	Closing remarks and depart

Light and Non-Ferrous Metals Around Us

Michael Kenyon studied Physics at the University of Manchester and followed this with a PhD in Advanced Metallic Systems. He is now a Senior Materials Engineer at Innoval. Join him to explore the vital role that light and non-ferrous metals play in our everyday lives.

Introduction to Luxfer

Luxfer MEL Technologies is a leading developer and producer of highly engineered magnesium and zirconium materials with a global reach. Their high value, innovative solutions help to improve people's lives, keep them safer and make their work more productive.

Tour of the Works

This is a rare opportunity to see what goes on at Luxfer MEL Technologies first-hand. You will have a chance to see how speciality industrial materials are used, including exploring medical applications and the zirconium research and development labs

Design, Build, Quake

During this practical session you will work in teams to design, build and test your solution to a challenging problem.

New ideas & Applications

Luxfer MEL Technologies are constantly innovating – developing new products and processes. They would like to hear from you and have launched a competition for visiting schools to develop new ideas.

So, what next?

We hope this event inspires you to consider a materials career and in this final session we will signpost the paths that you could take. Apprentices and graduates will share their experiences and answer your burning questions on their roles and journeys.

Throughout the day you will be on a busy and industrial site, with heavy machinery and high temperatures. Please ensure that you and your group follow instructions to the letter. Personal protective equipment will be supplied where it is needed.

If the costs of transport or supply cover are a barrier to you bringing a group to this event, please contact us and we may be able to help with these.

Materials Matter @ Luxfer MEL Technologies

REGISTRATION FORM

Please complete all fields and return your form by **Friday 01 March** at the latest.

Places will be allocated on a first come first served basis and will only be allocated on submission of a completed registration form. Please note, in registering you confirm that you are able to arrive before 0915 and leave at 1530.

Please submit your form by emailing it to diane.aston@iom3.org

You are invited to bring 7 year 12 learners, accompanied by a member of staff. If you wish to bring a double group (14 learners and 2 members of staff), please get in touch before completing the form to ensure sufficient space is still available.

ABOUT YOUR SCHOOL

Your full name |

Your position |

School |

Address (incl.
postcode

Email address |

Telephone |

Names of teacher(s) attending the event. Please also give the subject they teach

1 |

2

Continued on next page...

ABOUT YOUR STUDENTS

	First name	Surname	Year group	Photography permission*
1				Yes / No
2				Yes / No
3				Yes / No
4				Yes / No
5				Yes / No
6				Yes / No
7				Yes / No
8				Yes / No
9				Yes / No
10				Yes / No
11				Yes / No
12				Yes / No
13				Yes / No
14				Yes / No

* We will be taking photographs/video during the event. Please circle to confirm students have permission to be included in these. These may be used in print and electronic media (including the internet) to publicise this and future events. Names will not be published alongside photos.

DECLARATION

- I understand that there are 28 student and 4 teacher places on this conference, and they will be allocated on a first come, first served basis to schools returning completed forms.
- I understand that registrations received after the closing date may not be accepted.
- I understand that I will be responsible for my group of students for the duration of the event and that we will follow all instructions provided.
- I understand that all teachers and students attending need to bring their own lunch and a drink.

Signed

|

Date

|

Name

|