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PRESS RELEASE

New Future Engineers gallery asks if you are a dreamer, planner or fixer?

Now open



- Enjoy a new Elizabeth line train driving experience
- Scan your palm with the latest ticket technology
- 'Fix' a train as part of the hands on 'fixer' challenge
- Plan a greener and happier city
- Be famous for the day by starring on the cover of The Engineer magazine
- See the remains of a lost spiral escalator

Families, young people and 'big kids' can get hands-on and have fun exploring the fascinating world of transport engineering in the new Future Engineers gallery, which is now open to the public as a permanent display.

Visitors can test their skills, solve transport conundrums faced by modern day engineers, and enjoy a series of interactive exhibits. The new gallery inspires an interest in STEM subjects and highlights the creativity, social value and sheer range of jobs available in engineering, with one exhibit asking you to choose the type of engineer you could become: a dreamer, planner or fixer.



The new Future Engineers and Digging Deeper galleries, The Secret Life of a Megaproject exhibition and family fun activities are part of the Year of Engineering 2018 which aims to raise the profile of engineering amongst 7 to 16 year-olds and encourages young people to consider a career in engineering. The partners for the new Future Engineers gallery are: Bombardier Transportation, DCMS Wolfson Museums and Galleries Improvement Fund, Luke Rees-Pulley Charitable Trust, Cubic Transportation Systems, Jacobs, Mastercard and Microsoft.

The next generation of engineers can experience 'driving' or operating a modern train inspired by an Elizabeth Line *AVENTRA* 345 train manufactured by Bombardier Transportation in a recreated train cab, use control buttons and a computer system to drive through tunnels, pull in to a platform and find out how clever engineering can solve challenging scenarios.

The *Fix That Train* challenge gives visitors a taste of what it's like to mend a train and shows how technology helps with train maintenance and safety.

The Ticketing exhibit *Go With The Flow*, a partnership with Cubic Transportation Systems and Mastercard, shows how ticketing has evolved from the early days of manually operated machines to today's contactless payments. Objects include a Bell Punch ticket machine, in use on the network from 1893 to 1958. A state-of-the-art palm scanner by Cubic Transportation Systems shows how, in a future world, a human being might become their ticket.

Young people and children can have fun with the *Future Job Generator* activity, in collaboration with Microsoft, by choosing the type of engineer they could become. Youngsters and teens can work out what personality type they are to help them select a suitable future job - before taking the ultimate selfie with a photograph of themselves in their new engineering role on a digital cover of *The Engineer* magazine.

The Shape Your City exhibit lets visitors play an interactive table-top game as they race against the clock to create a healthy and well-connected sustainable city. This urban planning jigsaw invites visitors to 'play' with different parts of the city such as housing, stations, green spaces and landmarks and to make them work together to make a successful city. This exhibit is being delivered in partnership with Jacobs, a leading global professional services provider.

Failing is part of the journey to success. One of the historical highlights of the new gallery will be the remains of a prototype spiral escalator, installed in a lift shaft at Holloway Road station in 1906, but then abandoned, probably due to safety fears. Jesse Reno, its creator, was ahead of his time – it would be many decades before spiral escalators were successfully built – but his story shows that trial and error is integral to the engineering process. The spiral escalator was dismantled and buried at the bottom of the lift shaft until it was rediscovered in 1988 during maintenance work.



Lost spiral escalator at Holloway Road Underground station, 1906

Sam Mullins, Director of London Transport Museum, said: “From enjoying an Elizabeth line train driving experience to having your palm scanned by the latest ticketing technology, our new Future Engineers gallery is great fun and challenges our visitors’ perceptions of engineering.

“The future London will be shaped by engineers; our new gallery asks how much of a dreamer, planner or fixer you are, creating a fresh view of the skills and mindsets needed to make a career as an engineer.

“This is a big step in London Transport Museum’s mission to introduce the next generation, especially girls, to the vast array of rewarding careers in transport engineering.”

HM Government Envoy for the Year of Engineering Stephen Metcalfe MP, said:

“The Year of Engineering is a chance to encourage young people from all backgrounds to take a closer look at what they could achieve as engineers, so it’s fantastic to see London Transport Museum bringing this to life in such an inspiring way with its Future Engineers gallery.

“Engineers create, innovate and improve lives. What better way to demonstrate this to young people than through the transport and technology that provide a source of fascination to so many children. By giving them this exciting glimpse behind the scenes and the chance to take on real engineering challenges, I have no doubt Future Engineers will

help many young people discover the amazing places their curiosity and imagination could take them.”

Other must see engineering objects and exhibitions at London Transport Museum

- An original horse tram from 1882 – these vehicles were first introduced in London in 1861
- The Digging Deeper gallery, which explores the history of tunnelling and the development of the revolutionary Greathead tunnelling shield
- One of the oldest electric locomotives in Britain and its windowless ‘padded cell’ carriage – built for the oldest Underground electric railway in the world, the City & South London Railway which opened in 1890
- The Secret Life of a Megaproject exhibition, which uncovers lesser-known stories about the Crossrail project
- Inspired by real-time information, the Connections map uses software that shows all the capital’s buses on the move across London at the same time

The Museum is working in partnership with Transport for London, the Department for Transport and our Year of Engineering partners including Bombardier Transportation, DCMS Wolfson Museums and Gallery Improvement Fund, Biffa Award and Association of Independent Museums, Luke Rees-Pulley Charitable Trust, Cubic Transportation Systems, Jacobs, Mastercard, Microsoft, Mott MacDonald and London Transport Museum Friends to inspire more children to realise the opportunities that the profession can offer them.

Daytime admission

Adult prices from £16.00 (concessions £13.50).

Cheapest tickets available online. Kids go free.

Adult tickets allow unlimited daytime access for the Museum for a whole year.

Ends

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Editors notes:

About London Transport Museum

The Museum is situated in the heart of Covent Garden and filled with stunning exhibits; the Museum explores the powerful link between transport and the growth of modern London, culture and society since 1800.

Historic vehicles, world-famous posters and the very best objects from the Museum's extraordinary collection are brought together to tell the story of London's development and the part transport played in defining the unique identity of the city.

The Museum is a charity and the world's leading museum of urban transport and a place for everyone to come to understand and enjoy the story of London's journey. No other capital city is defined and shaped so much by its transport as London. Yet the scale of influence of transport can be invisible to those who use it every day. The Museum and its collections are a window into the past, present and future of how transport keeps London moving, working and growing, and makes life in our city better. The Museum's charity number is 1123122.

DCMS/Wolfson Museums and Galleries Improvement Fund The scheme - jointly funded by the Department for Digital, Culture, Media & Sport and the philanthropic Wolfson Foundation - is designed to improve the quality of displays, enhance exhibition spaces and increase access.

Since 2001, over £43m has been distributed through eleven funding rounds, supporting over 380 renovation and improvement projects.

Jacobs leads the global professional services sector delivering solutions for a more connected, sustainable world. With \$15 billion in fiscal 2017 revenue when combined with full-year CH2M revenues and a talent force of more than 77,000, Jacobs provides a full spectrum of services including scientific, technical, professional and construction- and program-management for business, industrial, commercial, government and infrastructure sectors. For more information, visit www.jacobs.com

Bombardier Transportation is a global leader in rail technology and offers the broadest portfolio in the industry. It covers the full spectrum of rail solutions, ranging from trains to sub-systems and signalling. The company also provides complete transport systems, e-mobility technology and maintenance services. As an innovation driver, Bombardier Transportation continuously breaks new ground in sustainable mobility. It provides integrated solutions that create substantial benefits for operators, passengers and the environment. Headquartered in Berlin, Germany, Bombardier Transportation employs around 39,850 people and its products and services operate in over 60 countries.

Microsoft: For information, news and perspectives from Microsoft, please visit the Microsoft News Center at <https://news.microsoft.com/en-gb/>, and for further details on Microsoft's focus on UK Digital Skills please visit <https://www.microsoft.com/en-gb/athome/digitalskills/>

Preloaded PRELOADED is a BAFTA-winning games studio, using the power of play to reinvent the way organisations connect with their audiences. Collaborating with ambitious partners, such as LEGO, Tate, Google, HTC VIVE, BBC and the Science Museum, we make games and immersive experiences that have purpose, and that place the user at the center of the design process. Founded in 2000, Preloaded is part of Learning Technologies Group (LTG).

Travel to London Transport Museum:

📍 Address: Covent Garden Piazza, WC2E 7BB.

📍 The nearest stations to London Transport Museum are:

- o **Underground:** Covent Garden, Leicester Square, Charing Cross, Embankment, Holborn
- o **National Rail:** Charing Cross and Waterloo
- o **Boat:** Embankment or Westminster pier
- o **Bus:** Strand or Aldwych

Public information:

📍 Talks & events bookings: +44 (0)20 7565 7298

📍 www.ltmuseum.co.uk