We hope you are enjoying a successful start to the New Year. As a Museum, we work hard to stay connected with our audiences and community, striving to pursue our mission to ‘Conserve, Educate and Engage.’ The closure of the Museum’s onsite facility during the Coronavirus pandemic and the resulting challenging circumstances have driven us to explore fulfilling this mission in diverse, resourceful and innovative new ways. This academic year we have already welcomed over 3500 students from 70 schools.

Launching February 2022: KS1&2 Activity Days @ TNMOC!

We are delighted to announce the launch of our brand new Primary Offering, giving even the youngest learners the opportunity to benefit from what is on offer at our wonderful Museum. As part of a four-hour full day visit, primary students will participate in one interactive, explorative session, focused on investigating the Museum and two engaging, hands-on and educational STEAM workshops.

**Explorative Session Options:**

- **Robot Rescue:** The legendary George the Robot (constructed by the Museum’s founder, Tony Sale, in 1949) is playing hide and seek with his robot friends around the Museum. However, George has forgotten how to walk! You must search the Museum to find all our MiniBots, rounding up George’s friends before their batteries run out and they’re lost forever!

- **Mission:STEM:** Rear Admiral Grace Hopper needs your help! Your Mission: A lightning strike has scrambled the circuits of George, our security robot. We must reveal the secret identity of his creator, Professor Positron, to recover the password stored in George’s memory and fix his circuits.

**Practical Workshop Options:**

Our exciting workshop options include: Osmo’s Augmented Reality Activities (Maths, Coding and Problem Solving), Sphero BOLT (Robotics and Coding), Raspberry Pi with Scratch (Electronics and Coding), BBC Micro:Bit (Coding), Pimoroni Glove (Music and Coding).

Contact Storm Rae, our Head of Learning and Development at education@tnmoc.org for further information.
Virtual Visits @ TNMOC

Do you want your students to experience The National Museum of Computing but you can’t get to us in person? Check out our Virtual Visits, a fascinating twist on learning remotely! Block H, now home to The National Museum of Computing, was the world’s first purpose-built computer centre and heart of the Bletchley Park codebreaking operation. In a 90 minute session, our Virtual Visits uncover tales of cryptography, secret operations and technological advancement, illuminating the journey of development from WWII cryptography to present-day encryption. Firstly, step back in time and explore Block H as it would have been 60 years ago in our Virtual Escape Room Experience, which will challenge students to use their problem solving, team working and computer literacy skills. Secondly, participate in a tailored, interactive hands-on activity on the theme of Cryptography, Computing or Mathematics. Find out more here.

Upcoming Events at TNMOC

- **Sphero BOLT Coding and Robotics Workshop** (Weekends in February: 11:30 - 13:00 - Selected Dates). [Book Now](#).
- **BBC Micro:Bit Coding Workshop** (Weekends in February: 14:00 - 15:30 - Selected Dates). [Book Now](#).
- **Build Your Own Calculator Workshop** (Saturday 19th and Saturday 26th February 2022: 14:00 - 16:00). [Book Now](#).
- **Build/Code a Drone Workshop with The Drone Rules** (Saturday 19th and Saturday 26th February 2022). [Book Now](#).
- **STEM Bytes Festival (February Half Term)** (Tuesday 22nd - Sunday 27th February 2022: 11:00 - 16:30). [Book Now](#).
- **Pop-Up Exhibition Launch in Partnership with Raspberry Pi** (Saturday 5th March 2022). [Book Now](#).
- **Schools Social Action Hackathon** (Friday 11th March 2022: 9:30-15:00). [Book Now](#).
- **Awards Ceremony for the Honorary Fellowship of Rory Cellan-Jones** (Tuesday 12th April 2022: 13:00 - 16:00). [Book Now](#).
- **Easter STEM Bytes Festival** (Tuesday 12th April - Sunday 24th April 2022: 11:00 - 16:30). [Book Now](#).
- **Relaxed Opening Day** (Monday 18th April 2022: 10:30 - 14:30). [Book Now](#).
- **Home Educators Day** (Friday 20th May 2022: 10:30 - 15:00). [Book Now](#).
- **Young Women in STEM Day** (Wednesday 19th October 2022: 10:30 -15:30). [Book Now](#).

Support For Schools: Visit Us For Free!

Education is at the heart of the Museum’s mission and for this reason we have made our fantastic Education Programme more accessible and inclusive than ever! Thanks to the generous support of our sponsors Flint Computing and the Royal Air Force (RAF), we are able to offer fully funded places on our Education Programme to schools in deprived areas, as part of a bursary scheme. Are you part of a school that we can help? To be eligible, schools must have 17% or more students in receipt of Pupil Premium Grant. The bursary can be used to cover the cost of accessing our sessions up to the value of £600.00. This will fund up to 50 students visiting the Museum onsite or four Remote Learning Sessions with two expert guides. To secure a place, we ask for a £30 deposit which will be fully refunded on completion of your visit. Find out more today by contacting our Head of Learning and Development at education@tnmoc.org.
NEW: Digital Future Days

• **Schools Social Action Hackathon with Raspberry Pi** (Friday 11th March 2022: 9:30 - 15:00): We are absolutely delighted to be able to offer this exciting opportunity in partnership with the Raspberry Pi Foundation to coincide with their new Pop-Up Exhibition at The National Museum of Computing! School Teams of 4-5 students can participate in person or remotely and compete to create a technological solution to benefit an important charity, or the people and communities that they support. This event is designed to feel like a role-playing game in which teams assume the part of a fledgling technology start-up; designing a product for a client to bring to market. Teams design and prototype their assistive technology through a process used all over the world in technology and software companies, known as agile development methodology. [Book Now.](#)

• **Sustainability in Tech with Ortial Technologies** (Wednesday 27th April 2022): Have you ever considered the impact of technology on the physical world? The wonderful people at Ortial certainly have! In this informative, action packed day students will gain an in-depth understanding of what's inside a computer with hands-on hardware sessions to build both knowledge and practical skills. Sustainable options to replacing devices consider the view from a practicable raw materials perspective. Students will gain confidence and skills by disassembling and reassembling machines before battling it out in an E-Waste Art Competition. The winning sculpture will be included in Ortial’s upcoming Sustainable Art Exhibition (TBC). [Book Now.](#)

**TNMOC Family Learning Package with Version 1**

Be inspired by the innovative legacy of Computing! Version 1 have partnered with The National Museum of Computing to invite 30 Year 7-9 students from Harrow to experience the Museum’s interactive Remote Learning Programme. The ‘Family Learning Package’ includes:

• Two 90 minute Remote Learning Sessions (With expert input and curated content delivered by our professional Education Guides, covering WWII Codebreaking Machines and Modern Electronic Computing).
• One free Family Day Ticket to visit The National Museum of Computing for each participating student.
• A £10 Gift Voucher to be spent in the Museum’s Shop/Café for each participating student.

Register your school’s interest by contacting Jude McVitty at Jude.Mcvitty@version1.com.

**Meet Our New Partners!**

We are extremely excited to be working with the following organisations for the continued development and delivery of our dynamic Museum Education Programme:

• **The Raspberry Pi Foundation**: The Raspberry Pi Foundation is a UK-based charity that works to put the power of computing technology and digital making into the hands of people all over the world, enabling them to solve problems that matter to them, and to express themselves creatively.

• **Ortial Technologies**: Ortial is a leading vendor of memory, storage and networking components.

• **FIRST Tech Challenge UK**: A tech charity, FIRST Tech Challenge UK are a global movement of educators and influencers determined to equip the next generation with the technical knowhow and life skills to transform our future.

• **Osmo**: Through their tangible learning games, Osmo strives to deliver ‘something awesome that inspires the youngest generation’, whilst simultaneously addressing the concern of many parents surrounding how children can interact with technology without losing the value of hands-on
Ambassador Kids Programme: Free STEAM Learning

As a Museum, we strive to champion, support and enthuse the younger generation in their pursuit of and engagement with STEAM (Science, Technology, Engineering, Arts and Mathematics) subjects. Our Ambassador Kids Programme, offers increased diverse learning opportunities and practical hands-on activities to inspire, educate and engage young people and their families. Participants will have the opportunity to:

- Explore the evolution of Computing and Technology by handling real artefacts from the Museum’s collection.
- Use, experiment with and review exciting technology kit provided by the Museum’s sponsors/partners.
- Participate in practical activities and creative projects designed to cultivate personal development and elevate young people’s essential skills, knowledge and experience.

Our Ambassador Kids Programme currently runs twice a month on a Sunday, 10:00-13:00. We are grateful for the generous sponsorship of Lightning Tools, which allows us to offer these sessions for free. You can find out more here.

Stay Connected: Ways You Can Continue to Support Us

Visit our Online Shop: From limited edition commemorative framed prints to expert-informed Computing literature, DIY electronics kits and a plethora of unique branded TNMOC products, our new Online Shop has something to suit everyone.
Shop Now.

Adopt an Artefact: Put your name next to one of our extraordinary artefacts! As standard, your adoption package will include a personalised handwritten certificate, a specially selected exclusive gift and a free visit to the Museum – the perfect gift for a tech or history fanatic!
Find Out More.

Volunteer with Us: The National Museum of Computing seeks enthusiastic volunteers to assist in a diverse range of roles. We warmly welcome people with all skills and interests and treat all our volunteers as individuals; we will endeavour to find you a volunteer role and mentoring that meets your skills, preferences and time commitments.
Find Out More.

Located on Bletchley Park as an independent museum, The National Museum of Computing (TNMOC) brings to life the history and ongoing development of computing for the enjoyment and benefit of the general public and specialists.

The Museum combines a distinctive approach to engagement with an emphasis on British computing heritage and ongoing innovation. TNMOC acquires, conserves, restores and rebuilds historic computing machinery. The Museum’s approach is furthered through a process of engagement, with the display and demonstration of historical systems. The Museum runs a highly successful Education Programme for schools, colleges and universities and introduces foundational STEM skills and topics to young people, inspiring the next generation of computer scientists and engineers. The Museum also runs a popular, ongoing programme of festivals, lectures,

Conserve, Engage, Educate.

Our Education Sponsors: 2021 - 2022: