

amazon
future >>
engineer

digit<all>

Impact Report

2024

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Foreword

digit <all >

As a Board of Trustees we are incredibly proud and privileged to be able to support the work of the charity in developing the skills and personal qualities of the next generation of digital learners. In terms rapid growth, reach and influence since its inception, the statistics speak for themselves. But perhaps above all it the charity's inclusive mission that truly inspires. This has need translated into a creative range of programmes and activities for both young people and teachers that promote these skills within the context of a wider understanding of the ever-changing use technology within in our communities.

Derek Peaple
Chair of Trustees

Mission statement



We're on a mission to equip young people in schools and their local community with the digital skills and leadership needed to succeed in existing & future digital roles, whilst developing their digital well-being and leadership through active learning. Our goal is to enable them to excel in both current and future digital careers while equipping them with the technical and personal attributes necessary to address the ever-changing needs of our local and global communities.

We inspire young people to become confident, discerning users and developers of technology and enable them to unleash their potential through an understanding of AI, coding, data science, cyber security, engineering and internet safety.

We use our vast experience of increasing the engagement and self-efficacy of girls in computer science and digital experiences to assist the development of future diverse digital leaders and change makers with an active digital lifestyle. We will achieve this through the development of contextual learning resources for young people and the professional development of teachers and youth leaders to disseminate our mission and extend our experiences for the digital ambassadors of tomorrow.

Charity description



Digit<all> is a charity that helps to equip young people with the necessary digital skills to be discerning users and future digital leaders ranging from 4- to 18-year-olds. This is achieved by working with both schools, libraries and community groups with a focus on areas of high deprivation and reaching the underserved, underrepresented and underprivileged.

Activities the charity undertakes include professional development and train-the-trainer activities, in-school or in-community workshops, seasonal camps, and the creation of inspirational and contextual learning activities. The charity also supports some of the most disadvantaged young people in Birmingham through the HAF (Holiday & Food) programme, providing children with the opportunity to use technology for social enterprise. These activities often include a focus on computational thinking, coding, data science, artificial intelligence, machine learning, cyber security and digital wellbeing and internet safety.

The charity ensures that where possible, experiences it provides ensure that children can code-in and explore-out, ensuring that young people are able to understand the importance of having an active digital lifestyle. Examples of such work include the charity's use of physical computing devices such as the micro:bit and the pico where young people can code devices and take them outside to explore nature and collect data about activity and sport as just a few examples.

Digit<all> also provides activities for children to engage with nature including activities using technology to monitor environments with data logging such as national bird watch and hedgehog habitats.

Alongside these experiences, the charity produced engaging resources for community leaders and teachers to inspire the young people and future digital leaders who they inspire with contexts including women's football with our tackle coding resources, the adventures of Fifi the llama, sharing the importance of llama antibodies to tackling viruses such as COVID. Further activities include train like an astronaut resources where young female role models field of Space take young people through a range of fitness activities where they code devices to monitor steps, heart rate and acceleration and helping young people to code in Python to mix music with the theme of social justice.

Digit<all> works with schools to help them contextualise their curriculum around sustainability and enable children to be climate-conscious with technology. Through the work with Amazon Future Engineer, the charity has developed the Code for Climate Action curriculum highlighting how technology can be used to monitor conditions to predict natural disasters and develop early warning systems to community effectively with communities.

Digit<all> also provides the opportunity for schools and community groups to nominate young people for the contributions and creativity in computing. The CODE awards are led by young professional in AI and cyber security, and they provide awards for using technology for good, digital leadership and developing solutions to support digital wellbeing.

Amazon Future Engineer CPD Events and Resources

Over 3,839 teachers trained
as of the end of Dec 2023



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Over 200,000 young
people reached as of
end of Dec 2023



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Supporting 59 countries



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1347 communities reached



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By December 2023, 168 CPD events were held,
including 66 primary and 102 secondary events



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By December 2023, 15 resources were
shared, resulting in 1151 downloads



Reach



Red - events
Blue - resources

Reach

digit <all>

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**IMD Decile map
(England only)**
1-2 blue
3-4 red
5-6 orange
7-8 purple
9-10 green

List of countries that have accessed our materials

England
Northern Ireland
Saudi Arabia
United Arab Emirates
United Kingdom
Uzbekistan
India
Luxembourg
bangladesh
South Africa
Israel
Nigeria
West Midlands
Indonesia

Spain
Wales
Uganda
Turkey
Istanbul, Turkey
Hong Kong
Pakistan
China
Egypt
Greece
North Macedonia
Oxon
Guernsey
Ireland

Romania
Germany
Italy
Austria
Portugal
Belgium
România
España
Mauritius
Singapore
Sri Lanka
Bogotá
México
Chile

Bosnia and Herzegovina
Costa Rica
Qatar
Bulgaria
Malta
Sweden
Tunisie
Brasil
Scotland
Switzerland
Canada
United States
Italia

Colombia
France
Ukraine
Moldova
Australia
Myanmar
Trinidad & Tobago
Bermuda
Cambodia
Kenya
Thailand
Ghana
Philippines



EU Code Week is a grassroots initiative which aims to bring coding and digital literacy to everybody in a fun and engaging way.

EU Code Week Ambassadors are the main point of contact for Code Week in each country and help spread the vision of Code Week locally. The Ambassadors connect people, companies and communities interested in supporting EU Code Week. They encourage organisers to register coding activities on the Code Week map, and promote the overall participation in EU Code Week. Ambassadors also review and approve activities in their country. Ambassadors also work with their peers in other countries and meet regularly to discuss how to further develop the initiative.

With a total of 71,655 EU Code Week events registered in 2023, the enthusiasm for coding education is reaching new heights across Europe.

Helping to achieve Code Week's targets of over **3 million participants**, Digit<all> are the **home** of UK Code Week.

Over 600 resource downloads



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tally active

to enable
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Initiatives

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TEENTECH

National
Bird Watch



HAF
Programme

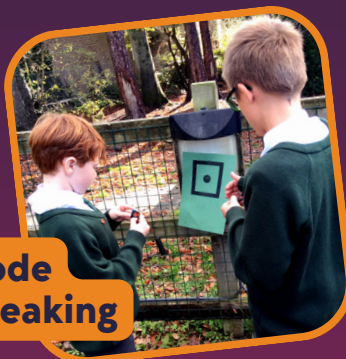


Coding for
Climate
Action



Hedgehog
Hackers

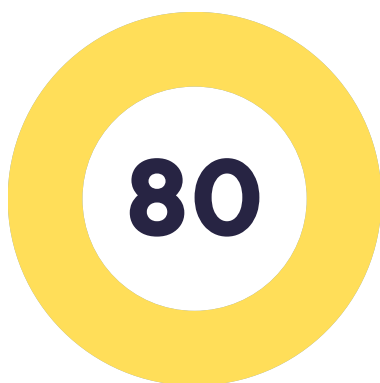
Out of This
World
Summer
Camp



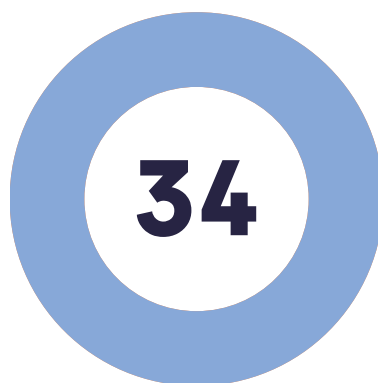
Code
Breaking

Tackle
Coding





Grants given



Schools helped by grants



**Number of kids
included in
activities**

**57.200 youth
reached**



**1300 coding
events**



**25 European
countries**



"The event has truly made an impactful difference in our school and community, igniting a passion for coding and technology. It has empowered individuals to discover their potential, unlocking new realms of creativity and problem-solving. Through the micro:bits workshop, we have witnessed a transformative shift, where people are now equipped with the tools to shape their futures and embrace the possibilities of tomorrow"



"The work Digitall is doing is enabling more young people to be recognised and rewarded for the work they are already doing to help their friends, schools, and communities today. I am really excited to be involved with the charity and help support our digital leaders of the future!"

Grace Blake, CODE Awards
Ambassador

"I am very proud of what the charity has achieved in such a short time. This is a new and exciting model for delivering training to help teachers be more confident with students and for students to be inspired by some of the best Computer Science educators in the UK. It's a privilege to be able to help the next generation drive the UK's tech future."

Dave Hartley, Ambassador

"One of the reasons I became a teacher was to make a difference to children's prospects. Digitall has allowed me to do this in a far bigger way than I ever could in a classroom. Some of the projects I have worked on for them have really impacted vulnerable children in deprived areas of the country and shown them options that could lead into business instead of crime further down the line. I get to see the impact the sessions have due to the ongoing relationship with those we have worked with and it is awesome!"

Some of the more general student sessions are also great fun as we don't have the constraints of the national curriculum which lets us work outside of the classroom norms and allows us to make the subject practical, fun and exciting for large groups of kids to inspire them to further participation in computing! (And who doesn't like to dress up in a bird outfit and causing chaos?)"

Tig Williams, Ambassador

It has been amazing to be working with the dedicated team of Digit<all>, to see students flourish into digital technology and be exposed to how it is used in the real world. I have enjoyed every moment of my time working with the younger generation and training adults to support the young. The young students I have worked with have produced amazing projects that link to STEM and shown great leadership skills that match today and future careers. It is so important in this age to be encouraging the young into digital technology especially with how our world changes.

The projects that have been completed help us to understand these. It has been my pleasure to be part of the charity where I have been able to share my expert knowledge in Computing and be a role model.

Halima Bhayat, Ambassador

It has been an absolute pleasure and privilege to be part of a community that has fostered the development of digital skills in so many young people. This landmark achievement is a testament to the charity's work in nurturing the potential of the next generation within the ever-evolving digital landscape."

Sarah Taylor, Ambassador



Partners:



Affiliates:

