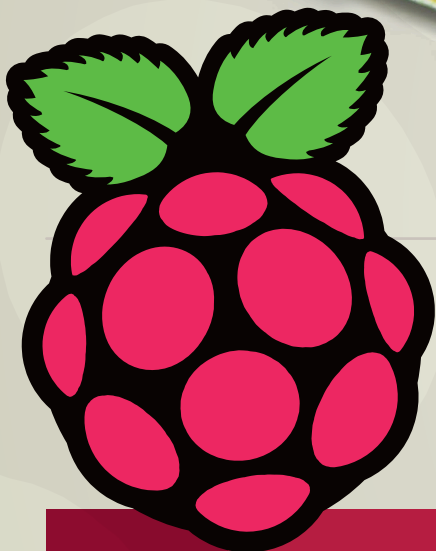
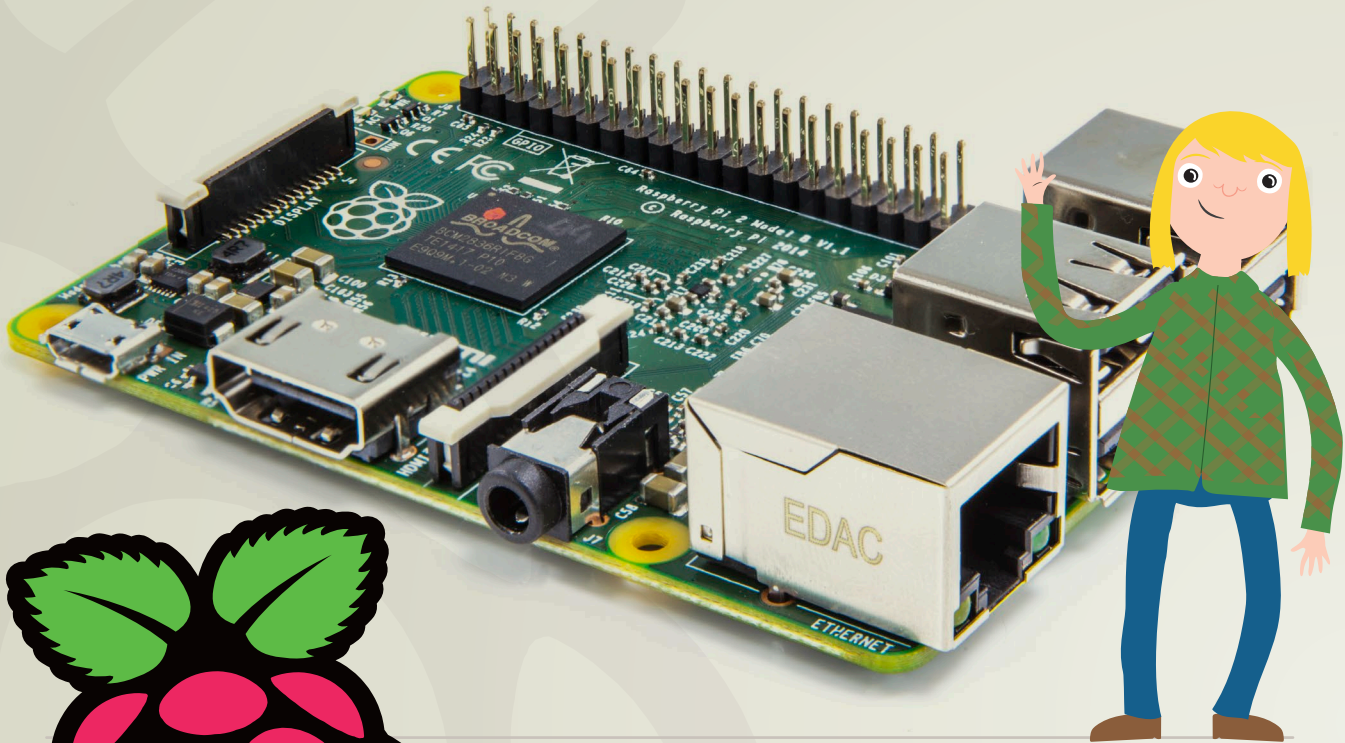


ANNUAL REVIEW 2014

raspberrypi.org



ANNUAL REVIEW 2014



“ Raspberry Pi provides the opportunity for kids all over the world to learn computer science ”

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FROM THE CHAIRMAN

David Cleevly CBE, FEng, FIET



“ The Foundation wants to make learning computer science fun and exciting, through hands-on computing projects ”

The Raspberry Pi Foundation is a charity, funded by one of the most innovative ideas in computing: the idea that a \$35 computer can enable a new generation to learn how to program and use computers creatively. In the future, the ability to generate and manipulate information will be as important as the ability to generate and control electricity was in the past, creating a societal and economic need to encourage improvement in computing and related skills. Raspberry Pi provides the opportunity for kids all over the world to learn computer science.

Education is at the core of the Foundation’s mission, and developing resources to support that mission is a major part of the Foundation’s activities. The Foundation wants to make learning computer science fun and exciting, through hands-on computing projects. The Foundation also recognises that we need to train the trainers, so it runs the Raspberry Picademy, a free professional development experience for primary

and secondary teachers, open to individuals around the world, described by one recently graduating teacher as “the best CPD I have ever had the pleasure of undertaking”.

Part-funded by you

But we don’t do this on our own. We are funded mostly by our wholly-owned trading subsidiary, Raspberry Pi Trading, which gifts its profits to the Foundation – about £1.5m in 2014. The Foundation also undertakes funded projects for companies and other organisations who share the Foundation’s goal of encouraging children to learn about computer science, and these amounted to almost £400k in 2014. In addition, the Foundation works with other organisations, facilitating the training of teachers, outreach to pupils and global access to

computing, and we will be extending all these forms of partnership in the coming year. In total the Raspberry Pi Foundation spent about £1.85m on charitable activities in 2014.

The basis for this success was laid down by the original Trustees and Founders of Raspberry Pi: Jack Lang, David Braben, Eben Upton, Alan Mycroft, Louis Glass, Rob Mullins and Pete Lomas, ably assisted in the Foundation by Lance Howarth and in Trading by Eben Upton – the latter helped by the wise advice of Sherry Coutu and Hermann Hauser. I began my new role as Chairman of both the Trading Company and the Foundation in September 2014, taking over from Jack Lang, whose contribution to Pi has been immeasurable. Lance will be leaving the Foundation in April, having provided focus and process for the mission, and the organisation and we are all hugely grateful for his contribution.

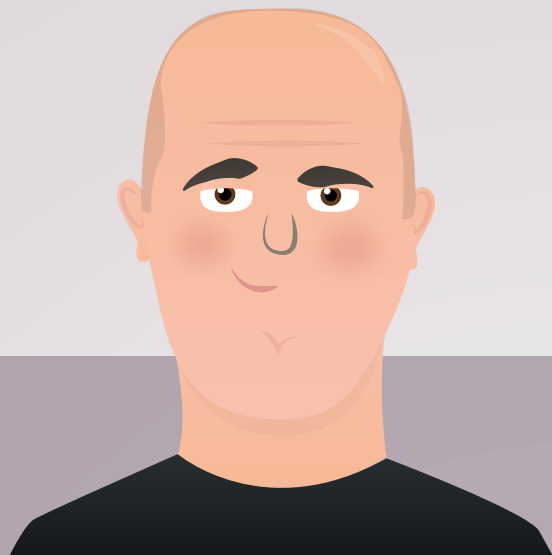


A BRIGHT YEAR AHEAD

Philip Colligan, our new CEO (formerly Deputy CEO of Nesta) joins us in July, and has a wealth of experience to bring to the Foundation. I have been and continue to be amazed at the talent and enthusiasm at Raspberry Pi, and I am looking forward to working both with him and the great teams in Trading and the Foundation on the next stage of the journey.

EBEN UPTON

Chief Executive Officer



“ We sold over two million Raspberry Pi computers, bringing our lifetime sales to a remarkable five million units ”

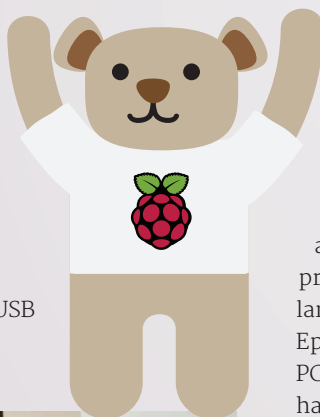
2014 was a busy and profitable year for Raspberry Pi Trading. We sold over two million Raspberry Pi computers, bringing our lifetime sales to a remarkable five million units. Our popular first-party accessories, the Raspberry Pi visible-light and infrared cameras, continue to sell well, generating significant incremental revenue.

On the hardware side, we released improved versions of our principal products, the Model B+ and Model A+, with the latter reducing our entry-level price from \$25 to \$20. We also launched the SO-DIMM form factor Raspberry Pi Compute Module to support our growing industrial customer base. We continued development of the 7" Wide VGA Raspberry Pi display board, targeting a launch in the second quarter of 2015, and provided engineering support for the Foundation's Oracle weather station and Astro Pi projects.

Raspberry Pi 2

Much of our internal hardware engineering effort was directed at the Raspberry Pi 2 project, which became public at the start of February 2015. The Broadcom SoC used by this product arrived in May, and by the end of the summer we had functioning prototypes. Final tweaks to the design were complete by the start of December, allowing our partners to begin manufacture in mid-January. For the first time, we have made use of ODM partners to deliver non-core hardware components, including a branded power supply, mouse, keyboard, and USB WiFi dongle.

We have



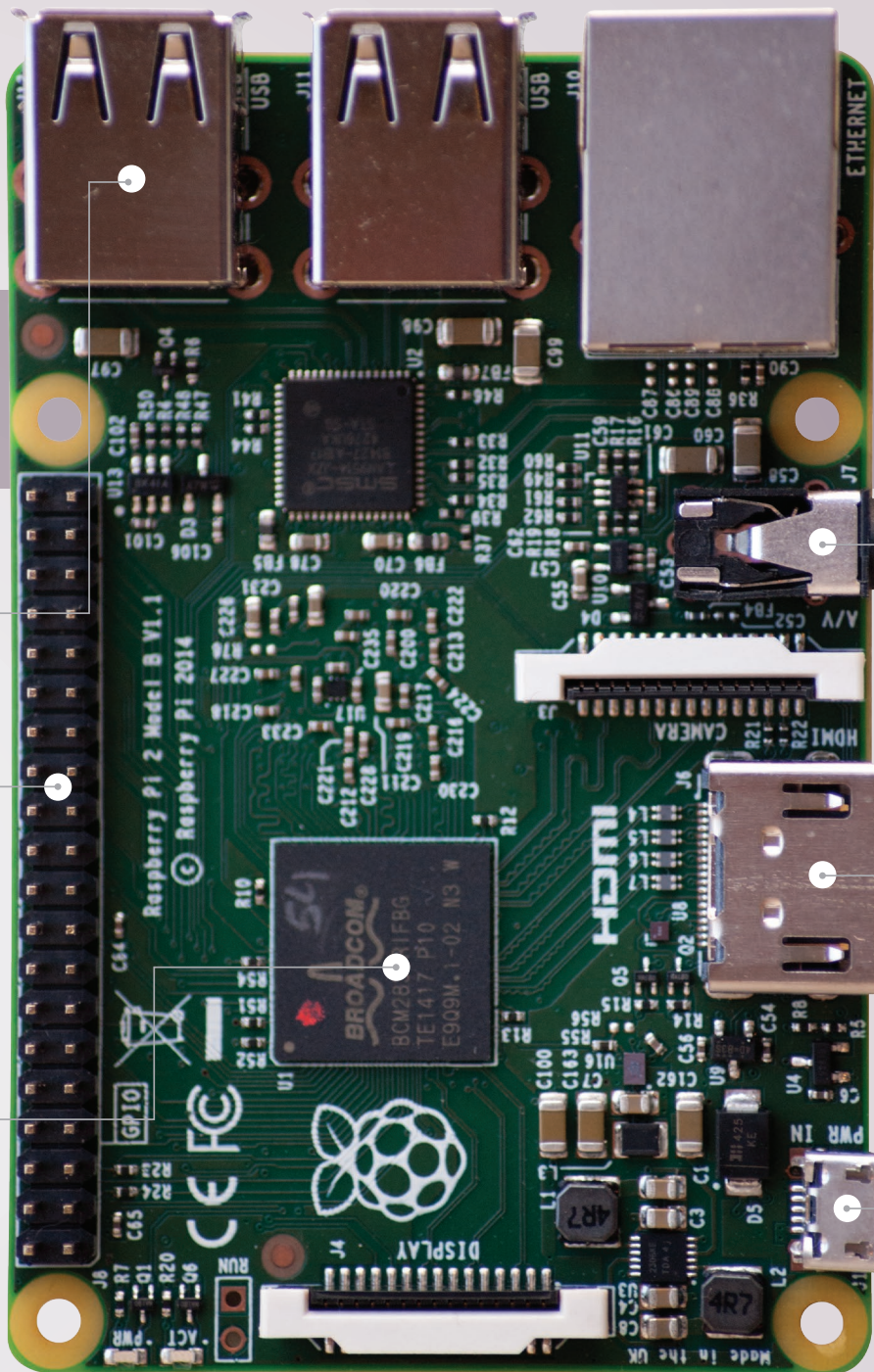
continued to invest in increasing the performance and stability of the Raspberry Pi software platform. Our own engineers have delivered improved USB and SDIO stacks, comprehensively revised the user experience, and are progressively eliminating proprietary elements of our board support in favour of standards-based alternatives.

We continue to make significant use of external contract engineers to provide software engineering services, and to make small contributions to open source projects on which we rely. This year we have funded improvements to the Kodi media player, the Pixman and libav libraries, the PyPy Python virtual machine, and the Scratch educational programming language. Our largest external software project, Epiphany, has delivered a PC-quality web browser with hardware-accelerated media decoding, for use on Raspberry Pi 1 and 2.

Engineering base

We started 2014 with four full-time employees in Raspberry Pi Trading and leave with ten, having acquired four software engineers, a hardware engineer, and an administrator. These acquisitions have increased the breadth and depth of our engineering base; we are already seeing some early output from their efforts. In January, we were joined by our first non-UK employee, Matt Richardson, who will act as a product evangelist in San Francisco.





The Raspberry Pi 2 retains compatibility with the previous model

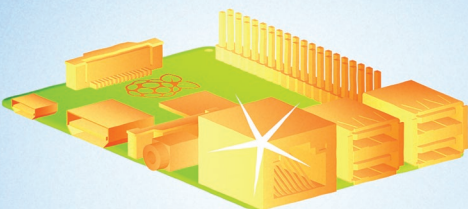
40 General Purpose Input and Output (GPIO) pins allow users to try physical computing - controlling real-world devices with their code

The 900MHz quad-core ARM Cortex-A7 CPU on the Broadcom BCM2836 SoC. 1GB of RAM sits on the rear of the board

The combination analogue audio and video port is particularly useful for developing countries that rely on legacy hardware

The Raspberry Pi is designed to plug into any monitor or modern TV

Raspberry Pi 2 uses the same ubiquitous USB port for power, meaning any Android smartphone or tablet power cable will work



TAKING THE NEXT STEP

2015 promises to be another great year, as we capitalize on the launch of Raspberry Pi 2, and take the next steps in bringing affordable, general-purpose computing to the world. We hope you'll join us.



CLIVE BEALE

Educational Research and Pyrotechnics



“ In 2014 outreach ranged from vast national and international events to small workshops in schools ”

In November 2013 I presented our short- and medium-term strategy to the Board of Trustees. The action points were:

- Build an educational website
- Create resources for both teachers and learners
- Educate educators via CPD and training
- Increase and improve outreach

It was optimistic—I was the sole member of the Education Team at the time—but these were the things that we felt were essential to achieve our charitable mission. Happily, the outstanding success of the Pi has allowed us to expand the team and a year on, we’re proud to say that we have achieved all of those things and more.

The Education Team

In January 2014 we welcomed three new Education Team members: Dave Honess, Ben Nuttall, and Carrie Anne Philbin. Rachel Rayns, our Artist in Residence, also joined the Foundation formally as creative producer. This gives the team a powerfully eclectic mix of educational experience, technical

expertise and creativity, all backed by Liz Upton’s consummate management and communications expertise. This mix isn’t an accident, and it’s why the Foundation is so unique and so effective.

Outreach is handled by the whole team, and in 2014 this ranged from vast national and international events such as BETT and World Maker Faire, to small workshops in schools. We’ve trained and talked to a lot of people! Team members have also been busy on long-term, individual projects: Carrie Anne with Picademy; Ben with the website and online resources; Dave with the weather station and AstroPi; Rachel with the Digital Creatives project and a number of add-on boards; and Clive on the (now complete) Google Pi project. The education team has also featured heavily in the national and local

media including the BBC News, Daily Politics, Radio 4, the Times Educational Supplement, and numerous magazines.

raspberrypi.org

We’ve partnered with and supported many individuals and organisations, as seen on our blog found at raspberrypi.org, and we’ve also supported a wide range of projects and activities via our educational fund.

We have a dynamic website beautifully illustrated by Sam Alder and stuffed full of educational resources for teachers and learners. We’ve also trained 160 teachers and we’ve talked to, supported and trained thousands of other people via national and international outreach. During 2014 we supported and encouraged anyone who wants to use the Raspberry Pi to teach, learn or make.



A STRONG POSITION FOR THE YEAR AHEAD

In terms of the Raspberry Pi Foundation’s education mission, in 2014 we exceeded both our goals and our expectations. It has been a remarkable year for the Foundation, with the growth in the Education Team allowing us to reach more educators and help enthusiastic learners. In 2015 we will continue to grow and develop.

LIZ UPTON

Head of Communications



“ We built an enormous and diverse community around the Raspberry Pi and its applications in computing education ”

Our education team focuses on formal education: learning in schools, in a classroom environment; and on informal education: learning in computer clubs outside school, alongside projects for children to complete at home, on their own and with friends. We have created a growing body of free learning resources, linked to the English National Curriculum, targeted at children of all ages and all school levels.

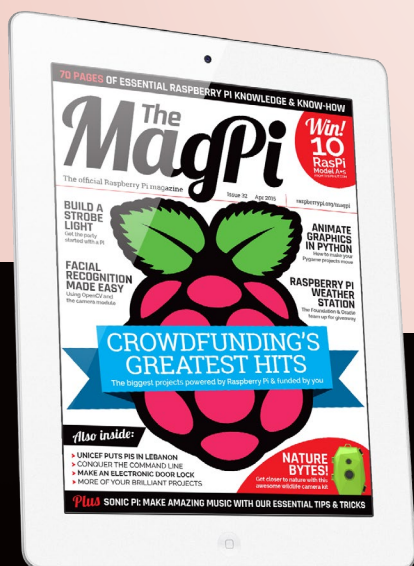
Alongside full schemes of work for teachers, including complete lesson plans, classwork, homework, and links to the English Program of Study, we provide worksheets for individual learners on projects from getting started with a programming language all the way up to building a robot butler, a morse code virtual radio, or an electronic musical instrument. We continue to expand on these resources as the education team grows, and

in 2015 expect to considerably more than double the number of KS2 to KS5 resources we have available, eventually covering the entirety of the new Computing curriculum. These resources will always be absolutely free of charge to use.

The Raspberry Pi Foundation has built an enormous and diverse community around the Raspberry Pi device and its applications in computing education. Volunteers from outside the organisation have put together some astonishingly complex events and products, all helping to further our goals of democratising computing education.

An official magazine

In 2014, we worked with the volunteer group running The MagPi, a home-brew, free, online Raspberry Pi magazine, to transfer the management and production of the magazine to the Foundation. The first official Foundation issue appeared at the end of February 2015; a professionalised, curated, reliable source of inspiration and information on all topics around the Raspberry Pi. Projects (all accessible to children) to build and make are at the heart of the magazine, and will be collated later in the year into books, which will be freely available to download.



Community events

Raspberry Jams, community-run user events, have spread around the world; in a typical month there are more than thirty Jams, held in hackspaces, schools, garages, cafés and town halls, from the Rhône Valley to Taipei. We offer co-ordinators information and tips on setting up events; we provide them with a place to advertise their Jams, and a forum where they can discuss best practice and talk to other organisers; and we try to attend and support as many of the events in person as we can.

The energetic offline community mirrors the extraordinary online community that we have built up around the Raspberry Pi. We work closely with the press to grow that community through engaging coverage of the Raspberry Pi and Raspberry Pi projects. (In the year ending February 2015, we saw 35,698 articles about Raspberry Pi across the global press.)



MAINTAINING A HEALTHY COMMUNITY

Social, family and community networks are crucial in maintaining the success of our charitable work and we are fortunate to have found so many people who share our core goal of democratising computing education.

RACHEL RAYNS

Creative Producer



“ Young people who participate will be offered artistic and technical support and mentoring ”

In February 2015, we launched Raspberry Pi Foundation’s new Creative Technologists programme. The program is focused on supporting and inspiring young people who have found themselves outside science, technology, engineering and mathematics (STEM) education, but still have an interest in the creative uses of technology.

Welcoming 16 to 21 year olds

Young people between 16 and 21 years old have been invited to apply for a free 12-month mentoring program, which will lead to a Trinity College London Gold Arts Award. A Level 3 Award, the Gold accreditation has a Qualifications and Credit Framework (QCF) credit value of 15, and results in 35 UCAS points.

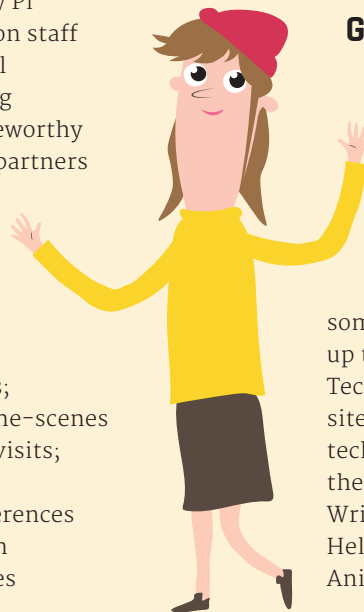
The 12-month programme includes:

- monthly individual and group mentoring sessions led by Raspberry Pi Foundation staff
- additional mentoring from noteworthy industry partners
- software and hardware project help and support
- field trips; behind-the-scenes industry visits; events and conferences
- exhibition opportunities

Each participant will also receive a Raspberry Pi starter kit and a £300 materials grant. The group will receive a £1000 grant for exhibition costs.

Getting there

The Raspberry Pi Foundation will cover travel within the UK, accommodation, entry fees and sustenance on organised field trips, and visits to Cambridge hacklabs. We have some exciting partners lined up to help out our Creative Technologists with mentoring, site visits, industry and technical advice, including the V&A, FutureEverything, Writers’ Centre Norwich, Hellicar & Lewis, Saladhouse Animation, and Pimoroni.



MAKING THINGS HAPPEN

Young people who participate will be offered artistic and technical support and mentoring, practical assistance, grant and funding advice, access to excellent partners, and an environment that supports people who want to make things happen. We can’t wait to get our participants’ creative and technological juices flowing.

DAVE HONNESS

Education Resource Developer

“ The project intends to strengthen and encourage further study of STEM subjects in school students ”



In 2015, we are launching two very special national and international projects for children, supported by learning resources.

Weather Station

In the early part of 2014, the Raspberry Pi Foundation was awarded an FY14 grant by Oracle to develop a weather station around the Raspberry Pi, along with a scheme of work for schools. The grant money is to be used to pay for 1000 free weather stations, to be distributed around the world to participating schools.

The scheme of work involves a mix of cross-curricular activities covering computing, meteorology and geography subject areas. In November 2014, 20 weather station prototypes were released to a closed list of trial participants who have been providing valuable feedback. In February 2015 we started taking signups from schools, and have been overwhelmed by the speed and volume of applications for the free units.

Final weather station HATs (Hardware Attached on Top boards) have been committed to manufacture, and we are currently in talks with Technology Will Save Us to arrange the assembly of the 1000 kits that will be shipped to schools.

Pupils will be analysing their own data and working with other schools using the same equipment to build a huge, global array of weather data collection.

They'll be learning to:

- Use a predefined Raspberry Pi hardware kit to build their own weather station and write application code that logs a range of weather data including wind speed, direction, temperature, pressure, and humidity
- Write applications to interrogate their weather station and record data in a cloud-hosted Oracle Application Express database
- Interrogate the database via SQL to enable macro level data analysis
- Develop a website on the Raspberry Pi to display local weather conditions, that can be accessed by other participating schools
- Access a Weather Station for Schools program website to see the geographical location of all weather stations in the program, locate the websites of other participating schools, interact with other participants about their experiences, blog, and get online technical support

Astro Pi

The Raspberry Pi Foundation has partnered with the UK Space Consortium, the UK Space Agency and the European Space Agency to create the Astro Pi project. Astro Pi will exploit educational opportunities arising from the upcoming flight of British

ESA Astronaut Tim Peake to the International Space Station (ISS) in November 2015. The project intends to strengthen and encourage further study of STEM subjects in school students. At the core of the mission is a Raspberry Pi B+ with a peripheral sensor board full of magnetometers, accelerometers, gyroscopes, motion sensors and other equipment that can be used for a variety of different experiments and programming exercises on board the ISS.

The board can be produced inexpensively and will be made available to thousands of schools. The project's goal is to create the situation, which has never existed before, where school students have access to exactly the same hardware as is used in space. The Astro Pi competition is open to primary and secondary schools, and invites them to devise and code their own app or experiment which, if they win, will be flown to the ISS and run by Tim Peake on his Raspberry Pi.



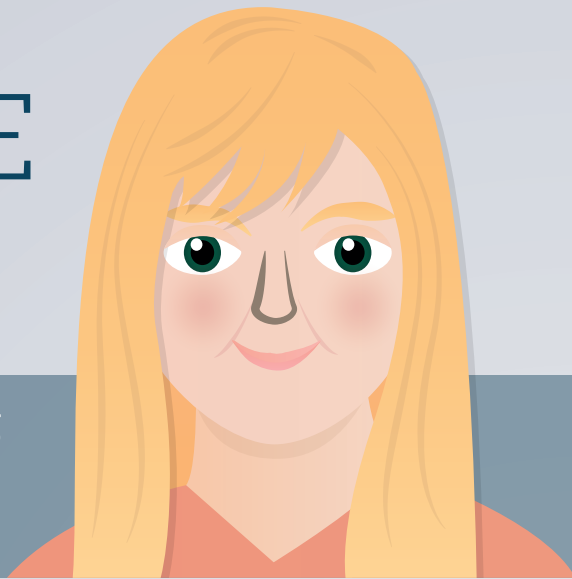
FUTURE PROJECTS

Both the weather station and Astro Pi hardware will be made available for the public to buy after schools have been sent their equipment, to help raise funds for future projects.

CARRIE ANNE PHILBIN

Education Pioneer

“ The Foundation wants to make learning computer science fun and exciting, through hands-on computing projects ”



One of my first events with the Raspberry Pi Foundation was the BETT Show 2014, where one of the most commonly asked questions from teachers attending the show was “When will you be providing training?” They indicated that they had Raspberry Pis or were about to acquire them, but were unsure how to use them in the classroom.

In response, the Raspberry Pi Foundation launched Picademy, a free training program for classroom teachers in both primary and secondary, initially in the UK, but after two events this was extended to International teachers too.

Picademy’s purpose is to:

- provide genuine, high-quality Raspberry Pi continuing professional development (CPD) and accreditation for teachers
- create a circle of educators we can call on to test and write resources
- create a circle of educators we can call on to assist with events like BETT/EICE

- empower individuals to give training to others in geographical areas it would be hard for us to reach
- build a teaching community to help us run/mod education forums
- demonstrate the Raspberry Pi’s effectiveness as a teaching and learning tool across a variety of different subjects, and for children of all ages
- establish a network of practising Raspberry Pi teachers to be utilised by the media and other organisations

A strong start

In 2014, the education team ran six Picademies in April, June, July, September and October, and in November ran the first ‘on the road’ Picademy event in Wales, training approximately 24 teachers at each event. We have emphasised the cross-curricular use of computing, and have welcomed teachers from subject areas including Computing,

Science, Design Technology, Art, Music, English, and History.

Picademy has proved to be a very popular event. Applications for each event number between 70 and 140. With only 24 places on offer due to the size of the space available at Pi Towers and number of staff, cohorts were selected using the following criteria:





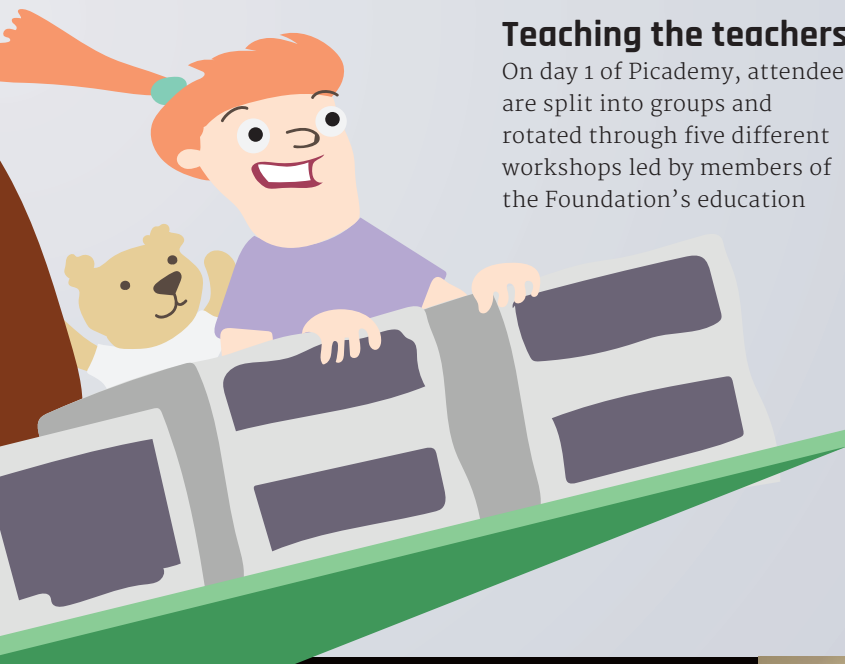
- Location - We are looking for a good geographical spread. Four places are reserved for international teachers
- Primary or Secondary - We aim to have a 50/50 spread of primary and secondary teachers
- Gender - We aim to have a 50/50 split of male and female teachers
- Enthusiasm - Are the candidates likely to train or share their experiences with others?
- Knowledge - Will the course meet the needs of the teacher?
- Subject - We aim to have a good mix of subjects represented

Teaching the teachers

On day 1 of Picademy, attendees are split into groups and rotated through five different workshops led by members of the Foundation's education

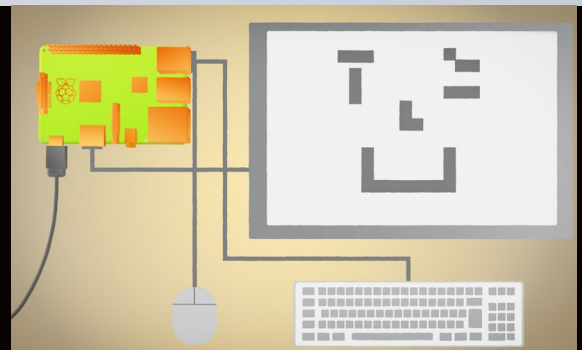
team. By September, the team also included members of the Raspberry Pi community. On day two, the teachers are encouraged to think about what they learned on day one and then, in groups or as individuals, work on a project idea that they could take back and use in their classrooms. The hackday style of day two has led to some interesting outcomes. For example, it is interesting to see, and later discuss with the teachers, the pedagogy that takes place during the day; how they interact and work together in groups, the directions their projects take, what they are able to achieve, and the diversity of the projects are great topics of discussion.

Feedback from Picademy attendees has been overwhelmingly positive. Of those who completed our survey, 97.5% stated that they were now likely or very likely to use Raspberry Pi in their classroom. 98.8% stated that they were likely or very likely to share the training with other teachers.



GROWING PICADEMY IN 2015

Due to the success of Picademy in 2014, more events have been planned for 2015. Picademy Wales was the first event held outside Cambridge to target specific areas of the UK. More Picademies are due to take place outside Cambridge in collaboration with partners in 2015, and we plan to launch the first overseas Picademies too.





COMMUNITY

Not all of the outreach and educational work done under the Raspberry Pi banner comes from people who work with us in Cambridge. The Raspberry Pi community is enthusiastic, passionate and spread all over the world. From the 100,000 participants in our forums, who offer support and advice, to the hundreds of Raspberry Jam events set up by community members all over the world, and the extraordinary work around our charitable goals carried out

by individuals, there's an astonishing wealth of participation. Andrew Mulholland, for example, is Talk Talk's overall Digital Hero for 2014. Based in Northern Ireland, he's only 18 years old, but he's pivotal in the region's growing uptake of computer science in schools. Andrew is behind the very successful Northern Ireland Raspberry Jams, and has written free, open-source classroom management software for the Pi, which is used widely by schools.



RASPBERRY PI FOUNDATION EDUCATION FUND

In the last 12 months, the Raspberry Pi Foundation's education fund has supported projects around the world, taking diverse approaches to computing education, from the following organisations:

- Aotea College
- Barnardo's Hub
- Cambridge Science Centre
- Cambridge University
- Cardiff Metropolitan University
- Central Davidson Middle School
- Co-Creation Hub Limited
- Code Club
- CoderDojo
- Computing Museum
- Donald Danforth PS Center
- EcoHouse
- Edusfera Association
- Engineering in Motion
- Eyemouth High School
- Green Street Green Primary School
- Hertfordshire University (was CAS/BCS)
- Input
- Louisville Center for Design at Lindsey Wilson College
- Moore County Schools
- NatureBytes
- Nesta
- Newham Music Trust
- Our Lady's Catholic High School
- Oxford University
- Powering Potential
- Public Labs
- Rensselaer
- Royal Horticultural Society
- Science Buddies
- SETPOINT Hertfordshire
- Sheffield City Council
- Suter & Hope Technology In Learning
- The Turing Trust
- University of Cambridge
- Winton Community Academy
- World Possible
- Young Pioneers

ANDREW MULHOLLAND

Northern Ireland Raspberry Jam and PiNet creator



“ PiNet has been set up right across the world, from a rural village school in India, to an international school in Kuwait ”



The Northern Ireland Raspberry Jam is a free, monthly, family-friendly event, where attendees get to play with and create code and electronics-based projects to make cool things and do awesome stuff with the Raspberry Pi.

We run it at Farset Labs, a Northern Ireland Hackspace in Belfast. Previous activities at the event have included Raspberry Pi-powered exploding heart-shaped balloons, infrared and ultrasonic Santa detectors, Minecraft hacking, quick reaction games, and music making.

Like most Raspberry Jams, the events are run very regularly (ours happens on the second Saturday of every month) and most of the attendees are children.

The kids love it and many travel from right across Northern Ireland to attend. For the parents, it's a great way to ensure their kids are learning lots of extremely useful skills and meeting like-minded friends.

One of the most important aspects of Raspberry Jams are the friendships that are fostered between children

and adults from completely opposite ends of the country. They swap email addresses and phone numbers, and continue to chat and plan Raspberry Pi projects between events.

PiNet.org.uk

Another project I've been working on for some time is PiNet. It's a free and open-source piece of software that I started working on when I was 16, designed to help set-up and manage entire classrooms of Raspberry Pis.

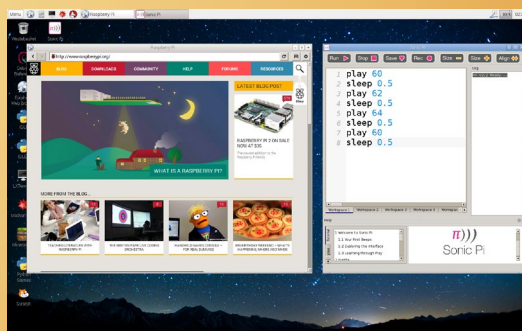
It adds network user accounts, shared folders, a single master operating system image, auto backups, and easy integration with classroom management software. It also comes with a website containing more than 30 pages of documentation that breaks down its features and functionality.

One of the most rewarding things about this project is that it has been set up right across the world, from a rural village school in India, to an international school

in Kuwait, and a charity on the outskirts of New York.

Its ease of use is another important factor; it has been set up by headmasters, teachers, technicians, STEM Ambassadors and even, in a large number of cases, by the students themselves.

Harry, an 11-year-old from England, uses PiNet to configure and maintain a Raspberry Pi network for an entire school. Liam, an 18-year-old who did the same, goes further and fixes bugs if he finds them. If he's successful, he sends the changes back via Github so others can benefit from his work. PiNet is completely free and open source for anyone to take and use.





JEREMY SCHWARTZ

Director, WorldPossible

“Raspberry Pi gave us the ability to create a plug-and-play webserver and hotspot at an affordable price”

What an incredible year it has been. World Possible has seen RACHEL-Pi (our Raspberry Pi-based educational server) deployed in scores of countries – often in the most remote locations – delivering a world of educational content to tens of thousands of students previously far removed from the great online learning tools those of us reading this take for granted almost every day.

In 2009, World Possible (an all-volunteer team, mostly from Cisco) curated a package of Creative Commons resources that contains content from Wikipedia, Khan Academy, CK12 textbooks, and much more for offline distribution. Coupling the content with open-source web server software, we could create

“Remote Area Community Hotspots for Education and Learning,” (“R.A.C.H.E.L.”) – a locally cached web server accessed through any networked system with a web browser (with no need for internet connectivity).

False start

Probably more naïvely than anything, in 2009 in Sierra Leone an attempted round of pilot projects of RACHEL, which at the time was a power-hungry NAS device, failed in a pretty dramatic fashion.

The failure took a real toll on us, but forced us to rethink RACHEL distribution, ultimately building a distribution network of partnerships with on-the-ground teams in Africa that could do the hard part for us, many of which still lead the RACHEL distribution charge today.

Despite the early successes of those groups, we still didn’t have the final piece of the puzzle that has exploded RACHEL deployment today: development of open-source educational resources, uniform standards of web browsers, and proliferation of low cost computing hardware and storage. Then we came across the Raspberry Pi, which gave us the ability to create a plug-and-play

webserver and hotspot at a low price point that we could distribute to masses of people, without any background required in computer literacy.

RACHEL-Pi

In 2013, a partnership with the Gates-backed Riecken Libraries in Guatemala and Honduras, as well as a funding leap of faith by a few esteemed donors and the Rotary Club of Portola/Woodside Valley (CA), allowed us to launch a new phase of World Possible and RACHEL-Pi, focused on creating, curating, and distributing relevant content from and within disconnected communities. It is a good old fashioned sneaker net, delivering locally relevant (and often locally created) digital educational content to disconnected schools, libraries, orphanages, and community centres.

The World Possible team in Guatemala is now led by Israel Quic, a native Mayan, who was initially attracted to RACHEL-Pi as a means of preserving and teaching his Mayan heritage and language to local communities. Israel quickly saw an opportunity to collect more locally relevant agricultural and political resources than we currently distribute as part of our Spanish-language RACHEL-Pi. In April the fruits of his labour truly began to sprout when word came from one agricultural community, an early RACHEL-Pi recipient, which built a drip irrigation system out of old plastic bottles after discovering how to do it from a single teacher’s smartphone, while researching our Guatemalan content on their RACHEL-Pi.





Above Grace, a teacher at Akoyikoyi School in Chuuk, receives a RACHEL-Pi



Available 24/7

Installations of RACHEL-Pi in community centres and libraries are often made available 24/7, enabling anyone with a smartphone to come and learn, research, and explore.

The mission in Guatemala is still just beginning, but the lessons learned and successes are providing a key roadmap for World Possible. Make available valuable educational resources, supplement them with locally relevant vocational and cultural content, get buy-in from local community volunteers, and distribute... distribute... distribute. The results are truly inspirational.

What's next? "Tell me and I forget, teach me and I may remember, involve me and I learn."

Globally, the RACHEL effort is still driven by the hundreds of groups that download RACHEL and distribute independently in their own communities. Everything we do is free to download through our website, FTP site, BitTorrent sync, or even shared Dropbox. The Raspberry Pi has also made it possible for anyone to do this on their own, a powerful democratisation of access to a world-class education.

Nearly 40 countries

World Possible will continue to support these groups through our own volunteer network, through independent advice, and by creating the best package of content available. Today, a biweekly newsletter is connecting thousands of RACHEL advocates in nearly 40 countries, who have been through the process and can provide best practices to new users locally.

What excites us most is our ability

to replicate the successes that have been achieved in Guatemala. In Micronesia, Professor Hosman and her students curated a RACHEL for the state of Chuuk. She's now working with Inveneo to deploy RACHEL to the entire region's network of schools.

In Kenya and East Africa, thanks to a generous grant from the Raspberry Pi Foundation, we've just completed a hire (Bonface Masaviru) to follow the roadmap that Israel Quic laid out in Guatemala. Bonface is spreading RACHEL throughout Kenyan schools and working with local volunteers such as Zack Matere to help us curate RACHEL Shamba, an offline package of farming resources.

We'll continue to find ways to hire additional country managers, local to their communities with proven dedication to RACHEL, to involve indigenous people in distributing the content they currently lack.



WorldPossible was setup in 2013 and in 2014 they successfully applied for support from the Education Fund.

