NORTH EASTERN
ICT Partnership

SUMMARY

	Aimed at		
	primary	secondary	sixth form
Code Club	X	X	
Computer Clubs for Girls		X	
Apps 4 Good		X	X
STEMNET	X	X	X
Coder Dojo	X	X	X

SCHOOLS IN THE AREA

	primary	secondary	sixth form
Number in North East region[1]	1044	303	171
Number in NEICT area	796	226	126

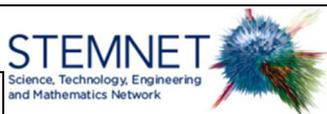|	Mainly aimed at		
Code Club	Primary	Summary	Last year there were 3 schools in the North East with a Code Club. Now there are 51 just in Tyne and Wear. Nationally there are around 2,200 Code Clubs – most in the south east. There are more than 100 venues within 25 miles of Gateshead that haven't heard of code club. 25 schools are looking for volunteers and 42 volunteers looking to help run a club. Volunteers commit on a term by term basis. Free training and support is available from Code Club which suggests volunteers go through Stem Ambassadors to get their DBS checks etc.. Code Club does the matching of volunteers to schools. Code Club can do paid-for training for teachers.
		Their words	*Code Club is a nationwide network of free volunteer-led after-school coding clubs for children* [typically in groups of around 15 and typically]*aged 9-11.* *We create projects for our volunteers to teach at after school coding clubs or at non-school venues such as libraries. The projects we make teach children how to program by showing them how to make computer games, animations and websites. Our volunteers go to their local club for an hour a week and teach one project a week.* *We write a new set of projects every term. Each term the students will progress and learn more whilst at the same time using their imaginations and making creative projects.* [Typically] *Terms 1 & 2 use Scratch to teach the basics of programming. Term 3 teaches the basics of web development using HTML and CSS. Term 4 teaches Python and so on.* *We'd like to put a Code Club in every single primary school in the country. There are over 21,000 primary schools in the UK, it's a big task but we think we can do it!*
		Further information	https://www.codeclub.org.uk/ **CodeClub is keen to visit IT workplaces to describe CodeClub and talk colleagues through the volunteer sign up process.**
		Contact	*Lyndsey Britton* *Operations Manager, ignite100* *lyndsey@ignite100.com*
		Notes	It's easy getting schools on board but harder to find volunteers to run the clubs. There's going to be dedicated north east regional CodeClub support and a network for volunteers. They've just appointed a national Head of Education and may set up a regional hub in Newcastle.

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[1] http://www.education.gov.uk/schools/performance/geo/regionA_all.html

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	Mainly aimed at		
Computer Clubs for Girls	Secondary	Summary	
		Their words	Computer Clubs for Girls (CC4G) is an out-of-the-box after-school club that has been specifically designed to encourage girls to stay engaged in IT. It helps girls aged 10-14 develop their skills in IT through a series of carefully-graded challenges, themed around their interests – like fashion, music, sport and celebrity. Running CC4G doesn't need any specialist IT expertise or software, it's fully curriculum-compliant, and girls love it. It supports girls' learning in IT and across the curriculum, and benefits their confidence and self-esteem. For sponsorship of £500, a school can run an after-school online CC4G club for a year. Sponsors often support a local club so they go in sometimes to encourage the girls in their work. No special IT knowledge is required.
		Further information	http://www.cc4g.net/
		Contact	cc4ghelpdesk@e-skills.com.
		Notes	

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Apps for Good
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	Mainly aimed at		
Apps 4 Good	Secondary, sixth form	Summary	Currently work with only the following schools in the North East: • Beacon Hill • Biddick Academy • Excelsior Academy • Harton Technology College • St Joseph's RC Comprehensive
		Their words	*Apps for Good aims to build the next generation of problem solvers and digital makers. They partner with educators in schools and learning centres to deliver a course to young people 10-18 years of age. They provide the course content, training and connections to their Tech Expert volunteers, and then let teachers do what they are best at – inspiring and guiding young people.* *The programme equips students to research, design and make digital products and take them to market. It "ticks the box" of the new computing curriculum but does much more. Students work together in teams to determine the issues they want to tackle and how best to solve them using social, mobile and web apps. With a focus on solving real issues that matter to young people and their communities, students learn about the full software product development process in a hands-on way. The result is students who are creators not just consumers of technology and they have the real life entrepreneurship skills to make their ideas a reality.*
		Further information	www.appsforgood.org
		Contact	natalie.moore@appsforgood.org
		Notes	currently recruiting new Education Partners and would love to have some more from the North East

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	Mainly aimed at	STEMNET Science, Technology, Engineering and Mathematics Network		
STEMNET	Primary, secondary, sixth form	Summary	The main focus is on pre-option choice students in comps getting them to want a career in STEM. Until recent changes in the curriculum 'T' was underrepresented.	
		Their words	*STEMNET (the Science, Technology, Engineering and Mathematics Network) creates opportunities to inspire young people in STEM.* *We do this by working with thousands of schools, colleges and STEM employers, to enable young people of all backgrounds and abilities to meet inspiring role models, understand real world applications of STEM subjects and experience hands-on STEM activities that motivate, inspire and bring learning and career opportunities to life.* *STEMNET successfully delivers three core national programmes.* • *STEM Ambassadors* • *STEM Clubs Programme* • *Schools STEM Advisory Network*	
		Further information	http://www.stemnet.org.uk/topboxes/stem-ambassadors/	
		Contact	Two hubs in North East. Tyne and Wear and Northumberland Durham and Teesside David Rogers Carol Harrison David.Rogers@newcastlesfc.ac.uk carol.harrison@rtcnorth.co.uk	
		Notes	*Tyne and Wear and Northumberland:* *We have a number of Ambassadors that do code clubs and CC4G as well as from computer games companies such as Ubisoft. You can never have too many though.* *Nationally the ICT industry is underrepresented in the STEM Ambassador population and I would certainly welcome any help you can offer involving more ICT skilled professionals in the programme. What we offer in return is an unparalleled level of contact with schools, free DBS checks and training for volunteers, insurance cover, and advice on developing activities and collaborative projects with schools.* *There are two sides to it really:* 1. *We run the STEM Ambassadors and have over 800 registered volunteers available to schools. I'm always keen for more ICT/Technology and Maths Ambassadors of course. They are available for free to all schools within the region (with a focus on supporting STEM in secondary and middle schools). All STEM Ambassadors have enhanced DBS disclosures, are fully insured, and have received induction training. They represent a good cross section of careers in STEM.* 2. *The other side is the Schools STEM Advisory Network where we have face to face contact with about 90% of the secondary and middle schools in Tyne and Wear and Northumberland. I think last count it was about 700 teacher contacts on my distribution lists.*	

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CODERDOJO NE

	Mainly aimed at		
CoderDojo	Primary, secondary, sixth form	Summary	
		Their words	*CoderDojo is an international open source, volunteer led movement orientated around running free not-for-profit coding clubs and regular sessions for young people. Since CoderDojo is open source all Dojos are different and completely autonomous!* *At Dojos, young people between 5 and 17 learn how to code, develop websites, apps, programs, games and more. Dojos are set up, run by and taught at by volunteers. In addition to learning to code, members meet like minded people, show off what they've been working on and so on. CoderDojo makes development and learning to code a fun, sociable, kick ass experience. CoderDojo also puts a strong emphasis on open source and free software, and has a strong network of members and volunteers globally. CoderDojo has just one rule: "Above All: Be Cool", bullying, lying, wasting people's time and so on is uncool.*
		Further information	http://coderdojonortheast.org.uk/
		Contact	coderdojonewcastle@gmail.com
		Notes	Mentors needed for DojoNewcastle Events: • Centre for life 3rd Saturday of the month • Baltic 1st Saturday of the month • T&W museums monthly special event • Gateshead Library May / June launch

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