



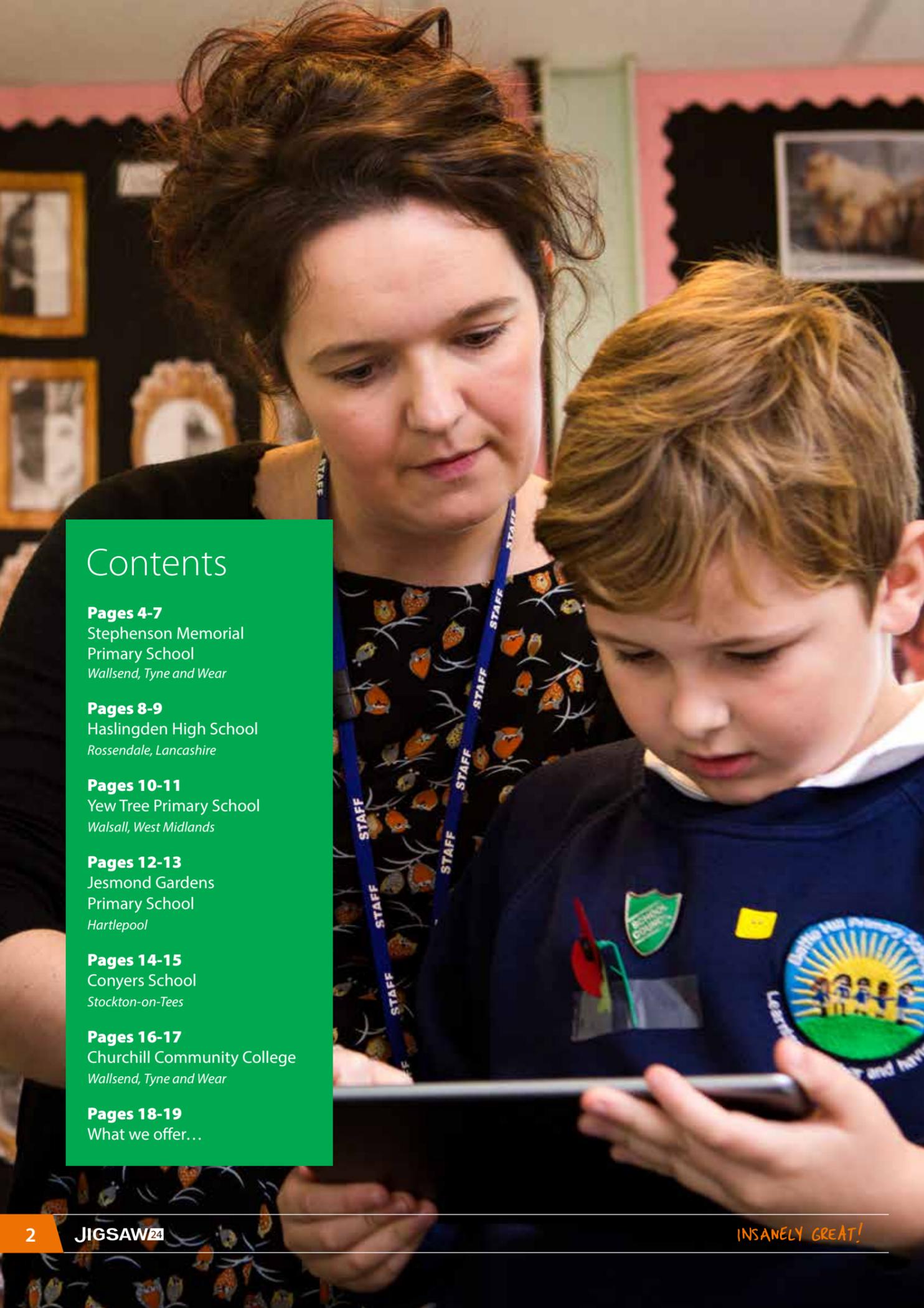
# Scale School Report

The impact of deploying iPad on a 1:1 basis within schools

**JIGSAW**24



Solution  
Expert  
Education



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What we offer...

# The Jigsaw24 Scale School Report 2016

## How schools are benefitting from rolling out iPad

There's a lot of talk about the benefits of rolling iPad out to students on a 1:1 (one device per user) basis, and there's no denying that we are ardent believers in the learning successes of providing pupils with this important technology.

The Jigsaw24 Scale School Report has been compiled to help show the impact that deploying 1:1 devices has had across a range of educational institutions. This report highlights key findings from a cross-section of schools, academies, independent schools and colleges, and looks at the impact on teaching and learning, judgements by Ofsted and curriculum goals, rather than the technology itself.

### An honest look at learning benefits...

Undertaking a 1:1 scale project is no small task and we have asked institutions to share their experiences with complete honesty. By sharing these, we hope to demonstrate a true reflection on the impact of deployment and we thank the institutions for being candid and open around such obstacles.

We also want to share the successes and solutions for overcoming such challenges and included this summative information to help **Headteachers, Senior Leadership Teams, Governors, Principals** and **Trust Leaders** who are thinking of undertaking such a project.

Enjoy!

*The Jigsaw24 education team*

Want to find out more?

Call: 03332 409 290

Email: [education@Jigsaw24.com](mailto:education@Jigsaw24.com)

Visit: [www.Jigsaw24.com/education](http://www.Jigsaw24.com/education)

### Look out for...

These key findings include the impact on:



Progress/Attainment



KS1/KS2/KS4 exam results



Attendance



Closing the gap

Some of the  
insanely great  
Jigsaw24  
education team





A **4.6 point increase** in progress for SEN boys.



# Stephenson Memorial Primary school

## Background

The school deployed 1:1 devices in 2012 to all KS2 pupils, staff and teaching assistants. The goal was to increase engagement within the curriculum and therefore increase gains in attainment and progress for all pupils.

The device itself is not at the heart of the school improvements; it is how it is being used. The impact on learning is testament to the creativity of the staff and the regular in-house staff development program. The training is run by both staff and students – sharing good practice.

## Challenges

The school had a history of low attainment and struggled to hit national targets, and they knew that parent engagement was going to be crucial to success. 58% of students at the school are in receipt of free school meals, and initially the main barrier the school knew it would need to get parents on board to meet the cost.

## Successes

- The school had a considerably large SEN boy cohort at the school who previously had only made 1.8 points progress in a year but after introducing devices they increased progress to 4.6 points in a year.
- The school has appointed a series of 'Digital Leaders' who support teaching and learning regularly throughout school. The 'DLs' are Year 5 and 6 students who have been trained in a specific area, or using a specific app, supporting teachers and other pupils.
- The school managed to get 100% sign up for the iPad scheme by putting the weekly cost of the leasing scheme against the price of a pint of lager, children's toys and other things the parents would relate to.

## Attendance ✓X

In 2014, the attendance rate at this school was 95%. This is a **decrease in absenteeism of 12.3%** compared to the previous year.

## About the school



**INSTITUTION TYPE**  
Co-educational Primary School



**PUPILS ON ROLL**  
424



**AGE RANGE**  
3-11 years



**LOCATION**  
Wallsend, Tyne and Wear



**DEVICES DEPLOYED**  
156 devices



**FUNDING METHOD**  
Leasing model (year 5 & 6) & Capital purchase Year 3 & 4



**FSM PUPILS**  
29.8%

“The iPad scheme started in the Summer term 2012 and relies on every child in year five owning (renting) their own device which goes between home and school. The families enter into a two year rental agreement (non-profit, so very low repayments of approx. £3.50 per week). At the end of this period, the family will own the device. The scheme has allowed the children to take ownership of their learning beyond 3pm every day. It has propelled a change in the way the school delivers teaching and learning which in turn has directly impacts on standards and attainment.”

Full name, Job title.



## Read the full story...

Improving Ofsted Grades at Stephenson Memorial

“I think it’s crucial that schools help provide equal access to new technology. You hope that children are being given these opportunities at home, but unfortunately that isn’t always the case for a lot of children who attend our school. By introducing them to iPad, we’re also introducing it to their whole family, so we see this as a family and community project here at Stephenson rather than something that just helps our pupils.”

Emma Overton, Headteacher.

Read more at [www.Jigsaw24.com/stephenson-memorial](http://www.Jigsaw24.com/stephenson-memorial)

## Impact on progress

(expected progress achieved by pupils)

### Reading



In 2014, **100%** of pupils achieved expected progress in reading.

 This is an increase of **21%** since 2013.

### Writing

In 2014, **98%** of pupils achieved expected progress in writing.

 This is an increase of **3%** since 2013.



## Impact on test results

### Grammar, punctuation and spelling



In 2014, **68%** of pupils attained Level 4 or above in the key stage 2 grammar, punctuation and spelling test.

 This is an increase of **15%** since 2013.

### Reading



In 2014, **95%** of pupils attained Level 4 or above in the key stage 2 reading test.

 This is an increase of **24%** since 2013.

### Writing

In 2014, **90%** of pupils attained Level 4 or above in the key stage 2 writing assessment.

 This is an increase of **8%** since 2013.



## Closing the gap

### Reading expected progress



In 2014, **100%** of disadvantaged pupils achieved expected progress

 This is an increase of **26%** since 2013.



**100%** of other pupils achieved expected progress.

 This is an increase of **16%** since 2013.

### Writing expected progress



In 2014, **96%** of disadvantaged pupils achieved expected progress.

 This is an increase of **1%** since 2013.



**100%** of other pupils achieved expected progress.

 This is an increase of **7%** since 2013.



# Yew Tree Primary School

## Background

Yew Tree Primary School has the same aims and aspirations for all of its pupils. In a caring, disciplined and happy environment, pupils are provided with many opportunities to develop spiritually, socially, physically and intellectually.

In order to ensure that their mission statement of "excellence and happiness in a caring, family school" is fulfilled, the school places a great deal of emphasis on the emotional wellbeing of their pupils. The school has deployed 1:1 devices across KS2 and has several sets available for EYFS and KS1 students.

## Successes

Yew Tree School is an Apple Regional Training Centre (RTC) and offers training courses on how Mac and iPad can enhance the curriculum.

The 1:1 programme has let the school offer pupils greater personalisation, creativity and choice, facilitating independence and collaboration.

## Attendance

In 2014, the attendance rate at this school was 95.6%. This is a **decrease in absenteeism of 26%** compared to 2013.

## Progress



**Reading**  
In 2014, **97% of pupils achieved expected progress in reading.** This is an increase of six percentage points since 2013 and the school's result was in the top 20% of similar schools' results, and in the top 40% of all schools nationally.

## Writing

In 2014, **100% of pupils achieved expected progress in writing.** This is an increase of two percentage points since 2013 and the school's result was in the top 20% of similar schools' results, and top 20% of all schools nationally.



## About the school



**INSTITUTION TYPE**  
Co-educational primary school



**PUPILS ON ROLL**  
Approx 570



**AGE RANGE**  
3-11 years



**LOCATION**  
Walsall, West Midlands



**DEVICES DEPLOYED**  
1:1 years 3-6



**FUNDING METHOD**  
Capital purchase



**FSM PUPILS**  
25.8%

“Staff had been used to using iPad to deliver aspects of the curriculum, so when we announced the 1:1 rollout, they were delighted. They knew the value they would bring to enhancing their teaching. Over time, iPad has become indispensable to them.”

Tamsie Mclean, new RTC Manager, Yew Tree Primary School



26% decrease in absenteeism compared to 2013.

6% increase in reading level attainment



# Jesmond Gardens Primary School

## Background

Hartlepool's Jesmond Gardens Primary School is a Foundation to KS2 school that is committed to finding innovative ways to teach children skills that will equip them for the real world, rather than just disseminating information. When their site was rebuilt as part of the Primary Capital programme, Jesmond Gardens moved from PC to Mac and launched an ambitious 1:1 iPad rollout across years five and six, as well as using the devices with EYFS (Early Years Foundation Stage) pupils.

In September 2011, Jesmond Gardens received funding for a new school build as part of the Primary Capital programme. As part of the refit, they decided to move from PC to Mac computers because they liked the fact that Apple equipment and software was very intuitive and the transitional workflow between apps was much easier. They felt the whole Apple solution would help them use technology rather than be a barrier to it.

## Successes

Pupils are more engaged than ever, and have instant access to a wide range of high quality learning resources via iPad. Jesmond Gardens are now an Apple Regional Training Centre, and generate extra revenue by offering 'learning walks' around their iPad deployment to pass on best practice.

The school has seen *“brilliant outcomes from apps like Talking Larry and Puppet Pals with our EAL children and a couple of children we had who were diagnosed with selective mutism. The first time those children talked to our staff here was via those apps, so they certainly helped to break down barriers and to give children access to learning more quickly than they would have had usually.”*

**Full Name, Job Title**

Assessment has changed and the SLT now have *“more evidence than we know what to do with”* thanks to the cameras and microphone built in to iPad. *“We have visual and verbal dual feedback, which usually you wouldn't have any evidence trail for, but now store videos using cloud solutions which allow teacher, pupil and parental access through secure services.”*

**Full Name, Job Title**

## About the school



**INSTITUTION TYPE**  
Co-educational primary school



**PUPILS ON ROLL**  
347



**AGE RANGE**  
3-11 years



**LOCATION**  
Hartlepool



**DEVICES DEPLOYED**  
110 1:1 devices (years 5 & 6)



**FUNDING METHOD**  
Capital purchase



**FSM PUPILS**  
33.9%

## Impact on progress (expected progress achieved by pupils)



### Reading

In 2014, **97%** of pupils achieved expected progress in reading and the school's result was in the top **20%** of similar schools' results, and in the top **40%** of **all schools nationally**.



### Maths

**100%** of pupils achieved expected progress in mathematics and the school's result was in the top **20%** of similar schools' results, and in the top **20%** of **all schools nationally**.

### Writing

**98%**

In 2014, **97%** of pupils achieved expected progress in writing and the school's result was in the top **20%** of similar schools' results.

## Impact on test results

### Grammar, punctuation and spelling



In 2014, **91%** of pupils attained level 4 or above in the Key Stage 2 grammar, punctuation and spelling test. The school's result was in the top 20% of similar schools and top 20% of all schools.

↑ This is an increase of **18%** since 2013.

### Reading



In 2014, **88%** of pupils attained Level 4 or above in the key stage 2 reading test.

↑ This is an increase of **10%** since 2012.

## Closing the gap

### Grammar, punctuation and spelling

**SPAG expected progress.**

The gap in attainment for spelling, punctuation and grammar between economically disadvantaged students and the rest of the students narrowed by **65%** in 2014 from the previous year.

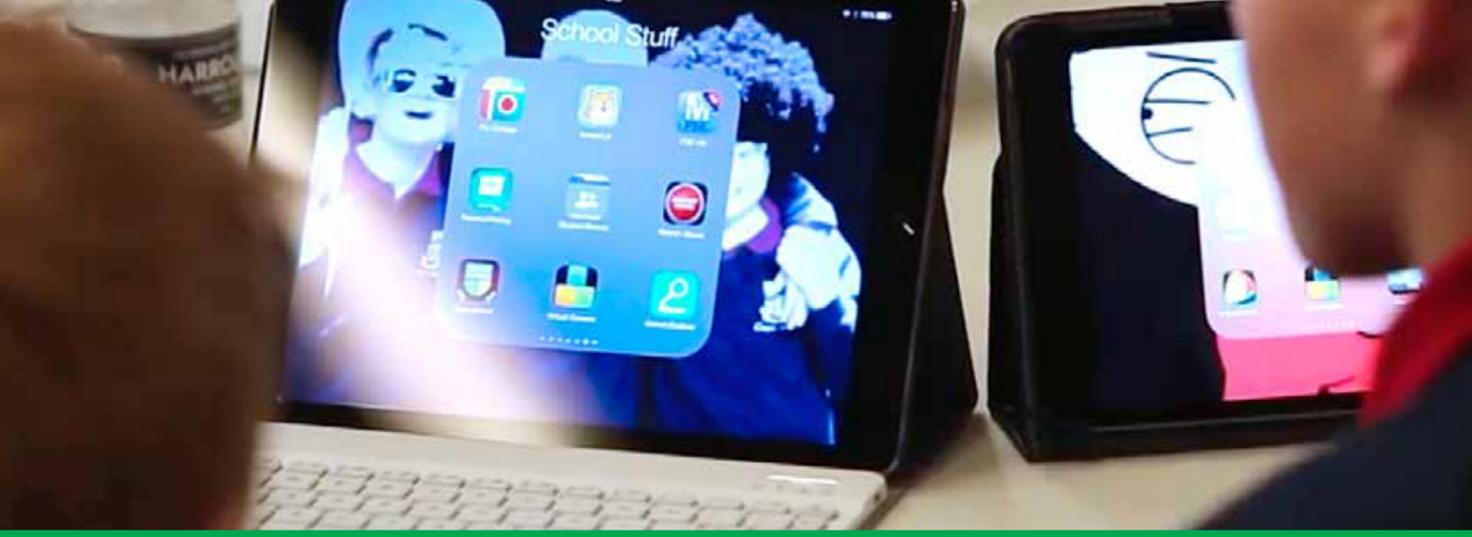


### Reading



Reading expected progress. In 2014, **96%** of disadvantaged pupils achieved expected progress in reading, while **100%** of other pupils achieved expected progress.





# Conyers School

## Background

A high achieving secondary school and sixth form in Stockton-on Tees, Conyers School aims to encourage independent, determined students and enthusiastic, empathetic people who will contribute positively to their community.

Conyers School initially wanted to make learning more accessible and to help teachers innovate, and joined our e7 Pilot scheme in order to trial iPad. 18 months later, they have a 1:1 rollout from Years 7-11.

“18 months ago we were standing still in terms of innovation. We thought there had to be another way to embrace and engage with all our learners and we thought iPad could be the way to do that. We wanted learning to be a personalised learning experience for students, so they could learn in a way that suited them.”

Chris Colman, Director of IT

## Successes

Conyers provided staff with iPad ahead of the student rollout, and trained up key members of staff to act as ‘super users’ who could offer tips and support to less confident colleagues. At the same time, a number of students were appointed as Digital Leaders and encouraged to borrow staff iPad in order to see if they found iPad helpful and whether the school network could support iPad in the classroom.

According to Chris, “Our parental survey and our student survey both reflect that learning is more engaging now, it’s more creative, and they’re able to access learning better than they used to. Students are able to stretch themselves, they’re able to get extra support and advice when they need it.”

“Since iPad arrived, I’ve seen a change in students’ learning practice and my teaching practice. They’re taking ownership of their learning, they’re being much more independent, they’re picking pathways which suit them, they’re able to assess their work and proofread. So I can take a step back, in a sense, and facilitate their learning, marking for progress rather than silly mistakes.”

Jennifer Bulman, English Teacher.

## About the school



**INSTITUTION TYPE**  
Co-educational secondary school and college



**PUPILS ON ROLL**  
Approx 1300



**AGE RANGE**  
11-18 years



**LOCATION**  
Stockton-on-Tees



**DEVICES DEPLOYED**  
1:1 years 7-11



**FUNDING METHOD**  
(?? of parents contribute to the scheme)



**FSM PUPILS**  
4.4%



### Student Voice Survey

75% of students said iPad helps them understand topics where they'd previously struggled.

81% of students said iPad helps them learn independently.

67% of students have noticed an improvement in their grades since the introduction of iPad.

91% of students said iPad helps them access resources more quickly.

88% of students said iPad makes lessons more engaging.



# Churchill Community College

## Background

Churchill Community College was graded Outstanding by OfSTED in June 2014 – in every aspect. We are also a newly designated Teaching School with an excellent reputation as a high performing school; our value added data places us first against similar schools in the whole country and thirty-fifth against all schools nationally.

Churchill Community College is a smaller than average 11–18 foundation school. Most students are of White British heritage with a small proportion who speak English as an additional language. The proportion of students known to be eligible for pupil premium is high and the school is located in area of high social deprivation. The proportion of students supported at school action is below average. The proportion supported at school action plus or with a statement of special educational needs is above average. The college holds sports college status to support its provision and curriculum. The college holds various awards including the Leading Parent Partnership award (LPPA) and in October 2015 reached the Silver Award stage of the National Teaching Awards in three categories – Secondary Headteacher of the Year, Team of the Year and Outstanding use of Technology in Education. The college is a leading partner in the North Tyneside Learning Trust of schools, of which its Headteacher is chairperson. The Headteacher is a National Leader of Education and the College itself is a Teaching School.

## Successes

### Reading

Over 2014/2015, which was the first year of 1:1 deployment all teaching observed where iPads were used was graded at good or better, with a significant percentage graded as outstanding.

### Home Learning

Increased creativity being seen in home learning across curriculum areas where students are maximising use of iPads to create exciting pieces of learning.

94% buy in, with remaining students using a 'College Device' during the working day.

## Attendance ✓X

Persistent absence is down.

## Progress

The impact upon the learning experience that students have at Churchill Community College, as a consequence of our iPad@CCC initiative, is marked in terms of data as well as in the feedback of all stakeholders. The College has exceeded the targets that it has set for itself in recent years in terms of student progress and staff development.

## About the school



**INSTITUTION TYPE**  
Foundation Trust School – Secondary



**PUPILS ON ROLL**  
738



**AGE RANGE**  
11-18 years



**LOCATION**  
Wallsend, Tyne and Wear



**DEVICES DEPLOYED**  
298 1:1 and 105 1:2 Department sets



**FUNDING METHOD**  
Choice of Lease Scheme for KS3 students or BYOD. Capital investment for Department 1:2 Deployment

## Student Voice Survey

**100%** of students report that they are more confident with iPad following CPD training

Students are helping each other – **69%** of Non Digital Leaders report helping others

**94%** of students say lessons are more enjoyable since introducing iPad

**72%** of students say that they made similar or better use of iPad than in their Primary school

**71%** of Year 7 students say they enjoy Numeracy in Tutor Time as a result of the iPad

Students are most frequently using iPad in:



PE



Art



Food/Textiles



Numeracy



MFL



Music



# The next steps for your school...



The Scale School Report has shown that rolling out iPad on a 1:1 basis has had a huge impact on student learning, on absenteeism and on the effectiveness of using technology in the classroom. If you're looking to follow in the footsteps of these schools, we know that there's no doubt you have a whole heap of questions that you need answering.

We're a bit different to your usual education IT provider – we have a clear focus on teaching, learning and supporting the curriculum, all the way from EYFS to degree level. Our dedicated team of education advisors and trainers understand that technology can only ever compliment the skills of the teacher, and we never forget that buying equipment is just one part of getting the most from it. Of course we're an Apple Solution Expert for Education and can provide the full Apple lineup, with top-notch services and support too, as you would expect!

## Our top education solutions

**Mac** Mac desktops and notebooks, PC/Mac integration and management solutions.

**iPad** iPad, iPod, cases and storage, sync and charge solutions, app management, file sharing solutions.

**Mobile Device Management** Help with MDM solutions, Apple's Device Enrolment Programme (DEP) and Volume Purchase Programme (VPP).

**CPD Training** Continuing professional development curriculum training delivered by our very own Apple Education Trainers.

**Creative software** From Adobe's creative apps to Microsoft Office, as well as advice on your licensing options.

**Audio equipment** Full audio studios, keyboards, interfaces, headphones and speakers, as well as consultancy, installation and training.

**Content creation** Video cameras, lighting, live production and streaming equipment, editing suites, consultancy, installation and training.

**AV solutions** Interactive touchscreens, displays, digital signage, video walls, audio and immersive environments.

**Storage** Mobile and desktop external drives, rackmount solutions, NAS and SAN, backup and archiving solutions.

**Printing** Printers for classroom and office, AirPrint wireless printers, 3D printing, ink and media (try our configurator for the perfect match).

**Finance and insurance** Leasing and rental schemes, insurance for school and student-owned devices, advice on payment schemes and schedules.

**Consultancy** Advice on workflows, servers, storage and networking, futureproofing your IT and onboarding staff, students and parents.

**WiFi and networking** Not only will we take care of all your cables and network infrastructure, but we can advise on futureproof WiFi and eSafety setups too.

**Want full support for your devices? We offer extended warranties and repairs, onsite support, helpdesk, training for first line technicians, IT health checks and more, including an annual phone support contract (complete with regular site visits from our education team) from just £995.**

## Things to be thinking about...

**Can we use iPad with our interactive whiteboards? Or should we even do that?**  
iPad works with a lot of different displays, touchscreens and smartboards, and we recommend using it alongside your current tools – whatever best suits your teaching style.

**What are VPP, DEP, MDM and all those other confusing terms all about?**  
They're optional tools Apple have in place to help you save time and money when setting up new devices and buying apps. They're not compulsory but we'd definitely recommend using them!

### How do we set up and manage Apple devices?

An MDM (Mobile Device Management) solution and DEP (Apple's Device Enrolment Programme) will do lots of the work for you. We can recommend a system for you, and even provide MDM as a managed service if you have no IT team.

### If we share our vision with you, can you advise on how we measure success?

Yep! We'll work with you to quantify the impact of technology on your teaching and learning outcomes.

### How do we tell if our Wifi is up to scratch?

It's best to give us a call about a WiFi survey. This will determine the coverage and capacity of your current system, and then we can recommend ways to improve and futureproof it.

### How can we make sure our students are learning industry-standard skills?

As well as helping schools and colleges, we work with 25,000 of the UK's top creative companies, so can help you create industry-standard setups on a budget, so you can equip students with real-world skills.

### How can we finance iPad in our school? Should we ask parents to contribute?

Parental contribution schemes can work well, and we can help with events and purchasing portals to support them. We can also arrange leasing and insurance through our partners at Burnett's and CHG Meridian.

### How do I offset the cost of a 1:1 scheme?

Some schools have found that the deployment pays for itself quickly. Here are some sample savings from one of our secondary schools.

Planners (School Years worth)	£4650	Now have an App
Newsletters (4 per year)	£3750	Just to print, also cost saving on not posting home
Reports sent via post binded (twice per year)	£4983	No more printing, posting or binding costs
Known of text book orders cancelled	£9840	Staff used iBooks author to create own
Printing difference from year 1	£8700	Savings should rise each year
Text messages home (1year)	£1200	Now email home
Average letter home (always min of 7 whole school per year)	£6930	Each time 1 A4 letter is posted home to students cost is £990
Digital Cameras	£1900	Bought by multiple departments, now use iPad
ActivExpression	£3100	Voting pods (bought a set last 2 years) Now they use Socrative app
<b>Savings based on 150 pupils per year</b>	<b>£45,053</b>	<b>After the initial outlay, each years refresh of iPad minis will cost £45,000</b>

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