

The Highland Council
Education, Children and Adult Services Committee
26 January 2017

Agenda Item	14.
Report No	ECAS 10/17

ICT in Learning and the Virtual School

Report by Director of Care and Learning

Summary

This report provides an update with regard to the ICT in Learning Strategy. This includes information on the process and strategy to deliver the 'schools ready' programme to Highland schools that will start to receive Chrome devices from August 2017, as well as progress on establishing a Virtual School provision.

1. Background

- 1.1 The Care and Learning Service developed a Strategic Action Plan to ensure that all learners can fully benefit from access to appropriate technology to enhance learning and teaching.
- 1.2 The Care and Learning Service Vision for ICT in Learning, is based on the outcomes of extensive engagement activities.

VISION

We will create an ICT infrastructure that supports and inspires 3rd Millennium learners. ICT in Learning must enable the development of digital literacy skills that will support learners in their education careers, lifestyles and world of work.

Promote anywhere, anytime learning for everyone, pupils and staff.

Getting it Right for Every Child by knowing the whole child and use of Management Information Systems.

Ensure that we are more effective and efficient in the use of our resources. Seek to build capacity and reduce bureaucracy.

- 1.3 The approach must be a long term strategy with well laid out plans that cover all areas. The key areas that have been identified are
 - Infrastructure – This is concerned with networks, wireless and ability for personal devices and technologies to connect, the right bandwidth capacity to support an increased pupil devices and robust local network.
 - Devices - The increased amount of and appropriate mix of laptops, mobile devices and PCs available to schools as part of the ICT provision.
 - Pedagogy – the science of the way technology is used in learning and for learning. Pupils using technology that is relevant for them and helps them acquire digital literacy skills. The ways in which we use content, tools and services that are available from any device at any time including distance learning.
 - Supporting Leaders - Head teachers and leaders require support from the

service to take ICT in Learning forward in their schools and develop their own vision with pupils.

- Staff Continuing Professional Development - how we provide staff with opportunities to enhance their knowledge and acquire necessary skills.
- Transforming Culture the ways in which we as a service ensure the use of ICT in Learning is inclusive and relevant, accountability is understood for taking ICT in Learning forward and how we engage with communities to support digital access.

1.4 From August 2017, as part of the Council's new ICT contract, it is intended that Chrome devices will commence rolling out to primary and secondary schools over a 2 year period.

1.5 The agreed model involves:-

- 1:1 Chromebook for all pupils from P6 – S6
- 1:5 Chrome devices for P1 - P5
- 50% reduction in managed devices (over a short transition window)
- 1 Windows device for every nursery, teacher and PSA
- A number of devices allocated to ICT suites in secondary

2. **ICT in Learning Update**

2.1 Currently, we have a growing number of active accounts using G Suite for Education. This is mainly from organic growth, with schools wanting to become engaged and explore the use of the online tools.

2.2 We have just over one million documents created using G Suite for Education. Many of these are collaborative documents, where learners work together on the same document simultaneously.

2.3 Accounts for all staff and learners have been created. This totals to just over 38,000 accounts.

2.4 A website has been launched (www.DigiLearnHighland.co.uk) to share good practice, access teaching resources, access training materials and access advice for teachers, parents and school leaders. The website is attracting hundreds of views per day, and gives other local authorities a window into Highland Council's journey.

3. **Schools Ready Action Plan**

3.1 Highland schools are at different stages in their use of digital technology and the use of G Suite for Education.

3.2 The ICT in Learning Team, in partnership with teachers, has created an action plan for schools to use in preparation for the delivery of Chromebooks. This contains 18 key action points that a school should follow to ensure that they are 'ready'. This is attached as **Appendix 1**.

3.3 There is no 'one size fits all' training model. A mixture of training approaches will be required to ensure staff of all abilities are confident in the use of digital

technology to enhance learning and teaching.

- 3.4 Online training materials are available on the above mentioned website for colleagues who want to start exploring the various tools for their own professional development.
- 3.5 Advice for parents and carers will be created and shared on the website and with schools.

4. Authority Training Workflow

- 4.1 The training workflow plan details how training/support will be provided to schools. This is attached as **Appendix 2**.
- 4.2 Before August 2017, a conference will be held for school leaders to build on the authority's vision for ICT in Learning and how ICT can be used to enhance learning and teaching.
- 4.3 Parental communications are vital, and before August 2017 we will hold information sessions/workshops for parents in various regions in Highland. We will also share information on our website and if required hold online Q&A sessions.
- 4.4 One member of staff from each school will be asked to take on a leadership opportunity and be referred to as a Digital Leader. The ICT in Learning Team will run intensive training sessions for Digital Leaders and they will then deliver multiple training/support sessions in their school.
- 4.5 Targeted support for certain schools and/or individuals who require it will receive this from a Digital Leader or from a member of the ICT in Learning Team.
- 4.6 Further training and professional development opportunities will be available through online courses such as the Google Certified Educator Level 1 and 2 exams.

5. Establishment of a Virtual Provision in Highland

- 5.1 There is a clear inequity of provision across Highland in terms of what subjects are on offer to pupils in our 29 Secondary schools. This arises from a number of factors but principally a school's staffing complement will determine what range of subjects can be offered. This can be compounded by well publicised problems of recruitment and at times the viability of numbers to run particular classes.
- 5.2 The establishment of a virtual on line learning provision aims to address this inequity.
- 5.3 **Courses and Delivery**
 - 5.3.1 The aim will be to produce materials for use both in a library approach and a real time approach.
 - 5.3.2 It will be important to appoint people to these posts with the required skills in terms of the pedagogy of on-line and virtual learning. There will be the possibility of utilising some staff who are already in schools and appointing some staff centrally.

- 5.3.3 Initial areas would be in the Senior Phase but there is no reason why this could not be extended to areas and stages of the Broad General Education. Subjects to look at initially would be Administration, Business Management, Computing Science, Languages including Gaelic, Modern Studies, and Advanced Higher theory aspects of most courses. However it may be necessary to look at other areas such as Mathematics and Physics. There are some areas such as Drama and Technical subjects where the viability of this approach would need to be proven.
- 5.3.4 Practical aspects of courses would need to be an area looked at with possible solutions using colleges and schools.
- 5.3.5 Pedagogy needs to be established with appropriate CPD for teachers delivering this on-line approach. The majority of University courses are now delivered on line and offering school pupils an opportunity to develop this way of learning will be advantageous to them in the future.
- 5.3.6 Further detail of the provision being planned is set out at **Appendix 3**.

5.4 Infrastructure

- 5.4.1 For a virtual school to succeed it is critical that the infrastructure is accessible, easy to use and reliable. The ICT infrastructure including the delivery of SWAN to schools and the necessary upgrades to networks will be required.
- 5.4.2 Google Classrooms and Google Hangouts will be a means of delivering on line provision within Highland but we also need to consider being able to work with other providers including other local authorities and colleges.
- 5.4.3 Schools agreeing common approaches involving the 33 period week, will allow access to this on-line provision.

5.5 Information Provision and Support

- 5.5.1 The challenge is to make these courses both attractive and accessible to students. Parents and pupils will need to be advised of the benefits of this approach and need to be engaged through promotion materials and informational meetings about the Highland Virtual School.

5.6 Quality Assurance

- 5.6.1 The quality of courses must be on a par with good delivery in schools.
- 5.6.2 An action plan is being developed for establishing a virtual school in Highland which sets out performance baselines and clear performance improvement targets. It will also include Budget Control and ensure all students of the Highland Virtual School follow council policies around e-safety.
- 5.6.3 The performance of students studying courses through the Highland Virtual School will be closely monitored.

5.7 Key Partnerships

- 5.7.1 There are a number of key partners who will contribute to the delivery of on-line provision in Highland.

- Highland schools
- 3 Highland Colleges and other colleges
- Other local authorities including those in the Northern Alliance
- Heriot Watt University Scholar programme

6. Implications

- 6.1 Resources** – Resources have been committed to support the implementation of the ICT in Learning Strategic Action Plan. The delivery model achieves a revenue budget saving, as Chrome devices do not involve additional maintenance contracts, and there is a reduction of 50% in managed devices.
- 6.2 Legal** - There are no identified legal implications.
- 6.3 Equalities** - The ICT in Learning Strategic Action Plan has been designed to ensure that pupils and staff have access to the technology required for their learning – all aspects of requirements for inclusion have been considered including access to technology for learners with Additional Support Needs and Visual Impairment.
- 6.4 Climate Change/Carbon Clever** - using technology effectively is proven to reduce printing costs and encourage distance based learning. Supporting the direction of paperless classrooms will be a specific action.
- 6.5 Risk** - SWAN/network infrastructure delays. Staff capacity to support every school with appropriate training/support during rollout.
- 6.6 Gaelic** - improved access to technology allows better to content, tools and services which offer Gaelic learning opportunities.
- 6.7 Rural** implications - Digital Exclusion is an issue affecting many Highland communities, the opportunities to access distance and online courses will increase access for learners who due t o their rural location may not be able to attend college or university.

<h2>7. Recommendation</h2> <p>7.1 Members are asked to endorse the work being taken forward as part of the ICT in Learning Strategy, and t o approve the 'Schools Ready' action plan and the authority training workflow model.</p>

Designation: Director of Care and Learning

Date: 16 January 2017

Author: Stephen Stewart, ICT in Learning Development Officer
 Ollie Bray, Head Teacher at Kingussie High School
 Peter Finlayson, Education Manager

Highland Council Chromebook 3 Year Action Plan

In this 3 year plan you will find:

- [Actions from January 2017](#)
- [Actions From Notification of Chromebook Delivery \(or before\) - 'Schools Ready' Checklist](#)
- [Authority Training Workflow](#)
- [Actions by End of Year One with Chromebooks \(or before\)](#)
- [Actions by End of Year Two with Chromebooks \(or before\)](#)
- [Actions by End of Year Three with Chromebooks \(or before\)](#)

Actions from January 2017

AP	Actions	Timescale	Resources
1	Ensure that staff are briefed on the Highland Council Digital Learning and Teaching Strategy and understand what this means for your school.	Before Summer 2017	ICT Strategic Action Plan.
			Digital Learning Website
	Make digital learning a priority for your school by integrating digital learning into school improvement plan from 2017/2018 - 2018/2019 - 2019/2020.		
	Make digital learning a priority for your school by integrating digital learning into your ASG improvement plan for 2017/2018 - 2018/2019 - 2019/2020.		
	Update your school learning and teaching policy to ensure that digital learning is integrated into yours school's philosophy for excellent learning and teaching.		
	Ensure all staff have G Suite Account log in details <ul style="list-style-type: none"> • Contact the Digital Learning Team for your school login details. 		
	Staff to make the switch to Google Chrome for web browsing.		Advice on how to sign into Chrome.
	Headteacher and the lead person for ICT attends Digital Learning launch event.		See authority training workflow below for more info.
	Schools explore new Technologies E&O's and Benchmarks		E&O's and Benchmarks

From Notification of Chromebook Delivery (or before) - 'Schools Ready' Checklist

AP	Actions	Timescale	Resources
1	Arrange for Digital Learning Team to attend an ASG meeting to discuss deployment and any other perceived challenges.	Before Chromebook delivery	
2	Make creating a digital culture a focus for your school <ul style="list-style-type: none"> • Link to 1+2 language development (Google Translate, Duolingo, etc) • Link to Highland Council Creative Schools Agenda (animation, creative writing through blogs, photography, podcasting, games based learning approaches, etc.) • Link to HGIOS 4 (particularly QIs 2.3 & 3.3) 		What is a digital culture? HGIOS 4
3	Complete baseline assessment. <ul style="list-style-type: none"> • This will allow us to gauge ability level and usage for learning and teaching. 		Baseline assessment to be finalised.
4	Deliver presentation on what impact digital technology could have on learning and teaching. <ul style="list-style-type: none"> • Sample presentation available. • Focus on learning and teaching not the technology. 		Intro Presentation
5	Introduce a key initiative to help staff explore G Suite: <ul style="list-style-type: none"> • eg: schools start to explore the use of Google Docs for staff/pupil announcements • eg: staff encourage to use as Google Docs as main word processor to introduce some of G Suite for Education features. 		Advice on how to sign into Chrome.
6	Advise staff that they can subscribe to the Digital Learning mailing list to keep up to date with developments.		Subscribe to Digital Learning mailing list here.
7	Conversation is key. Discuss with staff how technology might make a difference in your school over the next 6 months, one year and three years. You may use this to create your own digital technology vision or adapt your existing vision to include better use of digital technology. <ul style="list-style-type: none"> • Other school visions available for access. • Sample questions to think about available. 		Link to Lundavra Digital Strategy
8	Review eSafety. <ul style="list-style-type: none"> • Use the eSafety self-review tool at your school. • Incorporate eSafety and safe and responsible use into lessons or assemblies before delivery. 		eSafety self-review tool
9	Access Chromebook documentation and share key points with colleagues. <ul style="list-style-type: none"> • Staff and Pupil intro guides available. • Teacher and school leader advice available. • Review school policies for accessing digital technology. • Contact the Digital Learning Team with any queries or concerns. 		Teacher and School Leader Advice (advice still to be finalised - in draft) Staff and pupil guides.

10	<p>Start to engage with parents/carers and wider community.</p> <ul style="list-style-type: none"> • Authority advice available for parents/carers. • Share your school/ASG vision with parents/carers. 		<p>Parent & Carer section on website</p> <p>Advice documents to be finalised for parents and carers (still in draft)</p>
11	<p>Key school staff attend authority training.</p> <ul style="list-style-type: none"> • Strategic ASG group training. • Digital Leader intensive one day training. 		<p>See authority training workflow below for more info.</p>
12	<p>Digital Leaders deliver training sessions to colleagues.</p> <ul style="list-style-type: none"> • 3 training sessions are suggested (training programme templates available). • Encourage training to be offered to whole ASG. This potentially could be delivered in an IT suite in associated secondary school. • Access to digital teaching resources on the website. 		<p>Training programme and training materials (in development)</p> <p>Digital Teaching Resources</p>
13	<p>Promote sharing of good practice and support within the ASG/school.</p> <ul style="list-style-type: none"> • Encourage sharing of good practice at staff meetings, department meetings and ASG meetings. • Share good practice with Highland Digital Learning blog. • Encourage staff to become Google Certified Educators. 		<p>Google Certified Educators</p> <p>DigiLearn Highland Blog</p>
14	<p>Decide how you will distribute devices when delivered.</p> <ul style="list-style-type: none"> • Will devices stay in school for the first few weeks? • Will devices only be accessible in a certain subject? • Will you have an assembly to discuss safe and responsible use? 		<p>Advice on how this was done at Lundavra and Kingussie. (in development)</p>
15	<p>Allocate a room for delivery of devices.</p> <ul style="list-style-type: none"> • Ensure this room has enough space for Chromebooks to be delivered. This will depend on the size of school. • When Chromebooks arrive they will be unboxed, fully charged and boot up in less than 7 seconds. 		
16	<p>Notify Digital Learning Team that you have completed all of the above and are 'ready'.</p> <ul style="list-style-type: none"> • School leader to engage with whole school community to keep them informed of delivery timescales. 		
17	<p>Receive devices from Highland Council and follow 6 week supported deployment guide.</p>		<p>Guide in development</p>
18	<p>Prepare for managed Windows devices to be replaced with your new allocation.</p> <ul style="list-style-type: none"> • This happens 3 months after the school has received delivery of Chromebooks. 		

Authority Training Workflow

AP	Actions	Timescale	Resources
1	Authority Digital Learning conference <ul style="list-style-type: none"> • Visionary ideas • Workshops to share good practice and highlight some key tools • External speakers (other authorities, Google, Education Scotland) 	Before Summer 2017	
2	Parental communications <ul style="list-style-type: none"> • Parent/carer workshops/information mornings in various regions • Parent/carer guidance available online • Online webinar Q&A sessions 	Before August 2017	Liaise with Fergus Weir Parent/carer advice (in draft)
3	Rollout timeline will be split into different groups. Groups of ASGs will receive a strategic training day <ul style="list-style-type: none"> • Training day will be for school leaders. • Day will cover advice on eSafety, policy, vision, sharing practice, rollout info, devices, parent engagement. 	Depends on rollout timeline	Once timeline confirmed groups will be created.
4	School leaders select Digital Leader for their school <ul style="list-style-type: none"> • This person should be keen to explore the tools and willing to do some professional development in the use of G Suite for Education. 	Depends on rollout timeline	Digital Leaders will be offered free Google Certified Educator exam.
5	Digital Leader will attend authority one day intensive training. <ul style="list-style-type: none"> • Digital Learning Team to hold training day at each ASG for staff. • Training will follow a set training programme and will start from the basics. 	Depends on rollout timeline	
6	Digital Leaders will run training sessions in their schools and/or ASG for staff <ul style="list-style-type: none"> • 3 x 1 hour 15 min sessions recommended • Suggested training programmes and materials available. • Contact Digital Learning Team for staff/pupil account details. 	2-3 months before Chromebook delivery	Suggested training programmes. Training programme and materials in development.
7	Follow up training for Digital Leaders <ul style="list-style-type: none"> • Share practice, voice concerns, give updates and review support needs of school 	Before Chromebook delivery	
8	Targeted support for schools / individuals (if required) <ul style="list-style-type: none"> • One to one session arranged with Digital Leader within ASG • One to one session over Hangouts/Office Communicator with a member of the Digital Learning Team 	Always ongoing	
9	Further Digital Leader training (optional and online)	Always ongoing	Google Certified

	<ul style="list-style-type: none">● Google Certified Educator● Training materials, teaching resources and professional learning opportunities available on the Digital Learning website.● Online live sessions from Digital Learning Team.		Educator
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Actions by End of Year One with Chromebooks (or before)

AP	P/S	Actions	Timescale	Resources
	All	Staff understand what is meant by a digital culture and have contributed to the development of what a digital culture could look like in your school.		What is a digital culture?
	All	Digital Learning is a priority for your school and features in your school improvement plan and learning & Teaching Policy.		
	All	Digital Learning is a priority for your school and features in your ASG improvement plan.		
	All	Learners create personalised cover for their Chromebook.	Annually and as required	Photos included of this in slideshow here .
	All	Create time and space to encourage the sharing of good practice and expertise from both staff and learners. For example this could be linked to other National developments such as the 1+2 initiative or Creativity Agenda.	Recommended: 4 or more CAP Sessions a year	
	All	Organise support/training drop in sessions within your ASG.	Recommended 1 or more CAP sessions a year	Digital Leaders
	P	Create a Google Classroom Class for each primary class P5 - P7. Encourage use and the sharing of interesting practice.		Staff Guide Available. Also YouTube tutorials on how to setup classes.
	S	Create a Google Classroom Class for each secondary subject class. Encourage use and the sharing of interesting practice.		
	All	Staff encouraged to become Google Certified Educators.		Google Certified Educators
	All	Consider how digital tools can be used to enhance your school's current self-evaluation practice <ul style="list-style-type: none"> eg: digital parent & pupil questionnaires eg: shared documents for lesson observation including digital evidence eg: gathering learning & teaching feedback 		Tutorials on how to use Google Apps on YouTube and on the Digital Learning Website .
	All	Promote opportunities for parental engagement. <ul style="list-style-type: none"> eg: hold open afternoon showcasing Chromebook usage eg: have Chromebook bar available at parents night eg: showcase Chromebook usage on your school website, newsletter, facebook page etc. 		

	P	Register your school for the Digital Schools Award.		Digital Schools Award Good practice of school that achieved this award here .
	All	Review eSafety Policy	Annually	eSafety self-review tool
	All	An understanding of digital learning and G Suite for Education becomes an 'essential' part of your schools teacher recruitment policy. For example, new members of staff could be expected to have completed their Google Certified Educator - Level One award before starting post.		Google Certified Educators DigiLearn Highland Blog

Actions by End of Year Two with Chromebooks (or before)

AP	P/S	Actions	Timescale	Resources
	All	Schools have a clear idea as to what a digital culture looks like in their school / establishment. All staff (including new staff understand what is meant by a digital culture.		What is a digital culture?
	All	Digital Learning is a priority for your school and features in your school improvement plan and learning & Teaching Policy.		
	All	Digital Learning is a priority for your school and features in your ASG improvement plan.		
	P	Expand Google classroom use to P1 - P4		Staff Guide Available.
	P	Embed Google Classroom as a key tool for Learning Teaching and Assessment from P5 - P7		Also YouTube tutorials on how to setup classes.
	S	Embed Google Classroom as a key tool for Learning Teaching and Assessment across each secondary subject class. Continue to encourage use and the sharing of good practice.		
	All	Where appropriate, G Suite for education is regularly uses across the school for learning, teaching and assessment. This could be linked to other National developments such as the 1+2 initiative or Creativity Agenda.		
	All	Schools have set up and are regularly using ePortfolios		HC G-Suite ePortfolio Guide under development
	P	Schools have explored the new Technologies Experience and Outcomes and Benchmarks.		Technologies E&O and Benchmarks.
	S	Schools have started to explore the use of SQA SOLAR and other methods of e-assessments		SQA SOLAR
	All	Building on year one, continue to create time and space to encourage the sharing of good practice and expertise from both staff and learners.	Recommended: 4 or more CAP Sessions a year	
	All	Building on year one and two, organise support/training drop in sessions within your ASG.	Recommended 1 or more CAP sessions a year	Digital Leaders

	All	Review eSafety Policy	Annually	eSafety self review tool
	All	Set up Pupil Digital Leaders / Champions		Advise on this in development.
	All	School / ASG Digital Leaders attend annual up-date session	Annually	
	P	School becomes accredited or continues to work towards the Digital Schools Award .		Digital Schools Award

Actions by End of Year Three with Chromebooks (or before)

AP	P/S	Actions	Timescale	Resources
	All	Schools have a clear idea as to what a digital culture looks like in their school / establishment and use this to create a further three year vision for what this digital culture will become over the next three years. All staff (including new staff understand what is meant by a digital culture.)		What is a digital culture?
	All	Digital Learning is an evolving priority for your school and features in your school improvement plan and learning & Teaching Policy.		
	All	Digital Learning is an evolving priority for your school and features in your ASG improvement plan.		
	All	Building on year one and two, continue to create time and space to encourage the sharing of good practice and expertise from both staff and learners.	Recommended: 4 or more CAP Sessions a year	
	All	Building on year one and two, organise support/training drop in sessions within your ASG.	Recommended 1 or more CAP sessions a year	Digital Leaders
	All	Pupils work effectively as Digital Champions in their own schools and across ASGs		Advise on this in development.
	All	Digital technology is used effectively to help with teacher, whole school and neighbourhood self-evaluation.		
	All	Digital technology is used effectively to communicate with parents and the wider school community.		
	All	School / ASG Digital Leaders attend annual up-date session	Annually	
	P	School gains digital schools award.		Digital Schools Award
	All	Most staff have become Google Certified Educators		Google Certified Educators

Implementation Plan for the delivery of Learning and Teaching strategy

Lead Officer(s)	Objective	Actions	Completion Date	RAG
Ollie Bray & Stephen Stewart	3. Good Pedagogical Practice <ul style="list-style-type: none"> ● Effective learning ● Meeting needs 	<p><i>3.1 Development of Communities of Practice for sharing approaches and case studies in Highland and further afield, nationally and globally.</i></p> <p>To deliver this aspect the following will be required:</p> <ul style="list-style-type: none"> ● To gather exemplars of good practice at national level ● To gather exemplars of good practice that already exists across Highland. ● To provide opportunities for Highland staff to develop their practice in an innovative way ● To communicate this to the wider staff across Highland in a manner that will trigger further development. <p>A website has been created for this here, www.DigiLearnHighland.co.uk</p>	Mar 2017	Green
Ollie Bray & Stephen Stewart		<p><i>3.2 Increase the ways in which schools are using pupil's evidence of learning through e-portfolios, profiling and online spaces. Thus ensuring assessment examples are shared where appropriate and feedback obtained in a meaningful way.</i></p> <p>To deliver this aspect the following will be required:</p> <ul style="list-style-type: none"> ● This will not be delivered in the first phase but is a key priority going forward ● Pilot schools will be identified in year 1/2 to take this forward. ● The ICT Curriculum group will set out a separate development plan for this development. 	Jan 2018	Green
Peter Finlayson		<p><i>3.3 Open and Distance Learning (Separate action plan) Support for Head Teachers to have current information about senior phase courses online. Guidance materials to provide accurate information about technology and operating conditions available to them.</i></p> <p>The action plan sets out the following:</p> <ul style="list-style-type: none"> ● Provides background information and baseline data 	Feb 2017	Green

		<ul style="list-style-type: none"> ● Sets out the rationale for the development of the online provision ● Sets out a development plan including the virtual delivery for 17-18 ● Looks at the technical issue of working across authorities ● Sets out the review process 		
Ollie Bray & Stephen Stewart		<p><i>3.4 Team of practitioners to be created to ensure learners and teachers are becoming confident and competent in the ways in which technology in learning can be advanced.</i></p> <p>This aspect will be delivered in the following way:</p> <ul style="list-style-type: none"> ● A team of practitioners will be formed to support staff with delivering this. ● The team will inform the ICT group regarding the support required for schools to ensure they maximise the potential of the 1-1 devices. 	Aug 2017	Green
Ollie Bray & Stephen Stewart		<p><i>3.5 Support and promote the use of collaborative tools including Glow and GAFE</i></p> <p>To deliver this aspect the following will be required:</p> <ul style="list-style-type: none"> ● A review of existing use will be carried out ● Clear guidance will be produced for schools in these areas ● Training and development programs will be produced. 	Mar 2017	Green
Ollie Bray & Stephen Stewart	<p>4. School Leadership</p> <ul style="list-style-type: none"> ● School strategy ● ICT in learning approaches 	<p><i>4.1 Care and Learning ICT Team to work with Head Teachers and leaders to develop local plans for taking forward a school level vision for ICT in Learning. Exemplars and guidance to be accessible in Head Teacher Toolkit</i></p> <p>To deliver this aspect the following will be required:</p> <ul style="list-style-type: none"> ● ICT identified as a key priority for 17-20 ● Expectations set out for schools ● School improvement plans reviewed by QIT ● Evaluation of outcomes achieved in each of the three years included in the planning cycle. 	Jun 2017	Green
Ollie Bray & Stephen		<p><i>4.2 Support to use online tools and develop school websites / school level media strategies to encourage school community support.</i></p>	Sept 2017	Green

Stewart		<p>To deliver this aspect the following will be required:</p> <ul style="list-style-type: none"> ● Good practice to be gathered from Highland, NA and nationally ● Guidance produced for schools ● School expectations produced 		
Ollie Bray & Stephen Stewart		<p><i>4.3 Development of plans, guidance and support for mobile learning, 1 pupil to 1 device learning and classroom management support for introducing new technologies. Accessible from an online resource.</i></p> <p>To deliver this aspect the following will be required:</p> <ul style="list-style-type: none"> ● ASG roll out agreed ● 'School Ready ' defined ● Transformation plan from old to new in place ● Communication strategy in place ● Review process in place <p>Schools ready action plan and training workflow available here.</p>	April 2017	Green
Head Teachers		<p><i>4.4 Introduction of 'Digital Leaders' pupil roles to support the development of ICT in Learning within the school.</i></p> <p>To deliver this aspect the following will be required:</p> <ul style="list-style-type: none"> ● Job spec for this role is developed ● Positive exemplars are shared with all HTs ● HTs are committed to developing this role in their schools ● Training programmes for pupils are developed ● SQA recognition is investigated 	Aug 2017	Green
Ollie Bray & Stephen Stewart	<p>5. Professional Learning</p> <ul style="list-style-type: none"> ● CPD ● Communities 	<p><i>5.1 Access to online resources Care and Learning ICT Team to support ongoing continuing professional development opportunities for learners (staff, pupils and community). This includes knowing what is available, community of practice and learning conversations.</i></p> <p>To deliver this aspect the following will be required:</p> <ul style="list-style-type: none"> ● A strategy will be set out to develop this support structure. 	April 2017	Green

Stephen Stewart	of practice	<p><i>5.2 Baseline digital literacy skills assessment for Care and Learning Staff.</i></p> <p>This aspect will be delivered in the following way:</p> <p>To deliver this aspect the following will be required:</p> <ul style="list-style-type: none"> ● An online skills assessment will be produced and issued to all staff for completion. ● The ASGs going forward in 17/18 will have their skills based analysed. This information will form a key part of the initial engaged with the schools. ● The issues raised from the information gathered from the wider staffing body will inform the training priorities going forward. <p>Draft baseline assessment has been created. Available in draft here.</p>	Mar 2017	Green
Strategic Leadership Team		<p><i>5.3 Development of the TEPL Model Technology Enhanced Professional Learning, class and learning space observatories developed for learning and teaching to be shared in 'real time'.</i></p> <p>To deliver this aspect the following will be required:</p> <ul style="list-style-type: none"> ● This will not be a priority in year one ● Information will be gathered from the four pilot schools. ● Alternative models will be investigated ● Delivery plan will be put together 	June 2018	Green
Ollie Bray & Stephen Stewart Strategic Leadership Team		<p><i>5.4 CPD Courses to be available online through Care and Learning and the ICT Portal.</i></p> <p>To deliver this aspect the following will be required:</p> <ul style="list-style-type: none"> ● A variety of modes of delivery will be investigated. ● Training materials delivered at different levels depending on staff expertise ● Training programme put in place to ensure the relevant ASGs are ready for the roll out of the 1-1 devices in August 17. 	April 2017	Green

Higher Course 2017-18	Delivered by	Supported by SCHOLAR	Staff
Administration and IT	HC		0.2
Business Management	HC	Yes	0.2
Computing Science	HC/Colleges	Yes	0.1
French	HC	Yes	0.2
Gaelic (Learners)	HC	Yes	0.2
Gaidhlig	HC	Yes	0.2
German	HC	Yes	0.2
Graphic Communication	HC		0.2
Human Biology	College	Yes	
Latin	HC		0.2
Mathematics	HC	Yes	0.2
Media	College		
Modern Studies	HC		0.2
Physics	HC	Yes	0.2
Psychology	College		
Spanish	HC	Yes	0.2

Higher Course 2018-19	Delivered by	Supported by SCHOLAR	Staff
Biology	HC	Yes	0.2
Chemistry	HC	Yes	0.2
English	HC	Yes	0.2
ESOL	College		
Geography	HC		0.2
History	HC		0.2
RMPS	HC		0.2

Higher Course Need to prove delivery model for this subject
Art and Design
Dance
Design and Manufacture
Drama
Engineering Science
Health and Food Technology
Music
Music Technology
Photography
Physical Education

Higher Staffing 2017-18

2.5

Higher Staffing 2018-19

3.7

Total Staffing 2017-18

3.5

Total Staffing 2018-19

5.7

Advanced Higher Course

Advanced Higher Course

Advanced Higher Course

2017-18

Delivered by
Supported
by
Staff
SCHOLAR

2018-19

Delivered by
Supported
by
SCHOLAR

Need to prove delivery model for
this subject

Biology	HC	Yes	0.1
Business Management	HC	Yes	0.1
Chemistry	HC	Yes	0.1
English	HC	Yes	0.1
French	HC	Yes	0.1
Gaelic (Learners)	HC		
Gaidhlig	HC		0.1
German	HC	Yes	0.1
Mathematics	HC	Yes	0.1
Physics	HC	Yes	0.1
Spanish	HC	Yes	0.1

Computing Science	HC	Yes	0.2
Geography	HC		0.2
Graphic Communication	HC	Yes	0.2
History	HC		0.2
Modern Studies	HC		0.2

Art and Design (Design)
Art and Design (Expressive)
Design and Manufacture
Music
Music: Portfolio
Physical Education
Science: IDL Project

Adv Higher Staffing 2017-18

1

Adv Higher Staffing 2018-19

2