

# Horizon 2020: Digital Strategy

The school's use of technology promotes innovative learning by digitally confident students, inspired by skilled and creative teaching. We advocate secure and sustainable use of technology, with first-class systems for communication and administration.

	Innovative Learning	Digitally confident students	Skilled and creative teaching	Secure and sustainable use of technology	First-class systems	Communication and administration
Highest priority projects	<p>Macs in Art (networked) Classroom iPad/mobile device review Sevenoaks School Cloud Digital learning resources Digital library services Digital skills events</p>	<p>Technology teaching (Robotics) Developing students' digital skills (online learning tools) Positive online profiles Contract for responsible use Easy WiFi access Firefly plagiarism tool</p>	<p>Developing staff digital skills (online learning tools &amp; CPD) Curriculum mapping system Student tracking Easy WiFi access Mobile devices in teaching Departmental visions for ICT</p>	<p>WiFi improvements Sevenoaks School Cloud PCI-DSS and QSA audits Access control &amp; ID cards Online payment system Disaster Recovery works W10/O365/Server 12 Virtualisation</p>	<p>WiFi simplification, with light-touch web filtering Group policies streamlined Remote access improvements VoIP cost-savings Business Intelligence and data mining Personnel and Payroll system</p>	<p>Online admissions system Naviance for Higher Ed iSAMS online calendar Website: one-stop login for parents Online parents' evenings bookings</p>
Second priority projects	<p>Flexible classrooms Innovative learning spaces Mobile device AV connections Collaborative learning services Sevenoaks School apps</p>	<p>Digital skills events Digital learning resources Digital library resources Collaborative learning services Sevenoaks School apps Firefly Student app</p>	<p>Media on Demand enhancements iSAMS apps Firefly teacher app Collaborative learning services Sevenoaks School apps Markbooks</p>	<p>New build support for:</p> <ul style="list-style-type: none"> <li>Sixth form centre</li> <li>Science &amp; Technology Centre</li> </ul> <p>Rolling infrastructure refresh Backup improvements</p>	<p>iSAMS multi-browser iSAMS API to link systems (ThankQ, PASS, other) iSAMS Gifted and Talented Mobile access for support staff Network Lite access ITSD Standard Operating Procedures</p>	<p>Online job applications Co-curricular systems:</p> <ul style="list-style-type: none"> <li>Sport &amp; Activities</li> <li>Trips</li> </ul> <p>Streaming events (live and recorded) Parent/Student iSAMS apps Sports Centre systems</p>
Projects also under consideration	<p>Music Technology Other apps</p>	<p>Wearable and other future technology developments</p>	<p>Classroom AV Technical support for Sevenoaks School Certificate and other (online) exams support</p>	<p>New build support for:</p> <ul style="list-style-type: none"> <li>ITSD Relocation</li> <li>Boarding</li> </ul> <p>Print management review Digital/email archiving</p>	<p>iSAMS data development Paperless meetings Exam board administration and other (online) exams support</p>	<p>Online bulletins Additional VoIP features Digital Signage Health Centre administration Boarder administration</p>

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## Vision

The use of technology underpins the school's vision, enabling the school to achieve its goals, through:

- Flexible IT systems that exploit opportunities and shifts in technology;
- A community that learns, studies and explores in a changing digital world;
- Students who are adept at using technology throughout their learning and study, with standard skills that all will use in Higher Education and work and more specialised logical and computational skills for those keen to study Technology;
- Creative learning opportunities developed by teachers who are technologically and digitally skilled through timely, appropriate training;
- A superbly resourced Science and Technology faculty that promotes innovation and excellence throughout;
- Digital resources that empower students, teachers and support staff to meet and exceed goals;
- Departmental IT strategies that support the school's digital vision whilst reflecting diversity.

## Aims

The school's IT service will continue to deliver a reliable and secure infrastructure that balances the needs of students, staff and guests across the campus, with:

- Effective, innovative use of technology for learning and teaching;
- First class, cost effective and sustainable technology;
- Standardised core equipment that also offers scope for diversity;
- Rock-solid IT service that supports users across the campus;
- Planned investment in technology that drives value for money by exploiting and building on existing technology;
- A clearly communicated strategic direction.

## Guiding Principles

The use of technologies is underpinned by overarching principles:

- The school's vision;
- Policies and procedures are based on best practice, and published;
- Objectives, activities and impacts are communicated to stakeholders;
- A common hardware and software platform is used across the school;
- Commercial applications are preferred to bespoke development;
- Project management disciplines are applied to internal developments;
- Procurement is controlled and managed centrally and sustainably;
- Risk assessment and service continuity measures are implemented;
- Pupils and systems are protected against threats to security and safety.

# What the strategy means for users

## For All

- Fast, reliable online access to resources and services anytime, anywhere and by any device
- Secure systems that protect against threats

## For Students

### Accessibility:

- to files wherever, whenever, however;
- most course materials are available online.

### Confidence and competence:

- engagement with, and informed choices about appropriate use of digital technologies;
- Confident and competent preparation for university and workplace;
- Technology helps to personalise learning, so:
  - o every student is an adept user of technology to support and develop their own learning
  - o students can choose to specialise in technologies
  - o gifted and talented students are stretched by tools that enable them to innovate, discover and invent

### Balancing online risks and benefits:

- Students adopt positive online reputations;

**Alumni:** access and network with the school and others;

**Prospective pupils** have an online flavour of the school

## For Staff

### Skills:

- Staff know when to use/not use technology;
- Teachers confidently drop in and out of using technology for teaching;
- Digital support as and when needed.

### Culture for technology:

- A culture of using digital resources to enrich and engage group and individual learning;
- Use of technology to plan, teach, moderate, assess, communicate, share and learn;
- Access to fast, relevant, digital training;
- Users are confident that technologies work.

### Access:

- Access to information and technologies that complement and transform teaching;
- Staying abreast of research and emerging trends to use technologies to promote student learning;
- Access to tools, based on department and subject.

## For Leadership and Governance

- **Management information** to support decisions
- **Communication** that is fast and efficient
- **Competitiveness**
- **Strategic Digital Development** based on need and following best practice principles

## For Parents

### Digital access:

- Fast, relevant online communications;
- Timely information about their child(ren);
- Parents who do not live locally can participate online in school activities;
- Easy online sign-up for activities and events;
- Online access to key events that showcase the school's rich co-curricular variety;
- Secure, reliable multimedia tools to communicate with students in boarding.

### Information about the school;

**Information** about how technology supports the development of their child(ren) ;

An **understand** of online opportunities and risks to help their child make wise choices;

**Prospective Parents** have online access at all stages of the application process.

## For the school's IT Service

- Controlled, efficient management of resources;
- A central port of call for IT support, with skilled staff managing users' expectations;
- Planned development of secure systems with reliability, future-proofing and documentation;
- Rigorous business continuity and disaster recovery plans.