

Three-year e-learning Development Plan 2014/15 -2016/17

Concern: Curriculum planning on using e-learning for effective learning					
Goals	Strategies	Schedule <i>(please ✓)</i>			
		14-15	15-16	16-17	
<ul style="list-style-type: none">• <i>(Short-term and long-term goals of e-learning)</i>• Use of technology to enrich classroom learning experience.• Enhance learning with interactive activities and scenarios so students are able:<ul style="list-style-type: none">▪ to learn about a particular topic in a variety of ways using a variety of media;▪ to test their knowledge;▪ to receive instant feedback upon their understanding;▪ to share and develop their understanding with their peers;▪ to engage in rich discussion and collaboration with their peers.• Encourage active and self-disciplined learners<ul style="list-style-type: none">▪ Provide a more flexible way of teaching and learning in or out	<ul style="list-style-type: none">• <i>(Pedagogical strategies)</i>• Create and upload media-rich, interactive subject contents to the Internet for easy access.• Direct classroom activities and project-based learning through e-learning platform, which supports a wide variety of media to learn from such as graphs, pictures, articles and videos, which help students in absorbing new concepts and ideas in a holistic manner.• Share and deliver consistent subject contents across single or multiple classes among teachers and students.• Create online learning communities for students.<ul style="list-style-type: none">▪ Enable a dynamic environment for learning, including forums, real-time chat and intra-mail system;▪ Allow students to engage in group discussions and project works at the same time interact with teachers;▪ Teachers can post assignments and get instant feedback from students;▪ Share resources and collaborate with teachers or their peers.• Tailor-made school-based e-learning programs to engage students with different learning abilities and styles. Students are able to learn at their own pace anytime anywhere.	<div>✓</div> <div>✓</div>	<div>✓</div> <div>✓</div> <div>✓</div>	<div>✓</div> <div>✓</div> <div>✓</div>	

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<p>of the classroom;</p> <ul style="list-style-type: none"> ▪ Implement synchronous and asynchronous learning to accommodate students with diverse learning style and learning speed. • Provide instant assessment and feedback for class work during lessons and homework at home. 	<ul style="list-style-type: none"> • Incorporate multiple instructional strategies to develop blended learning mode. <ul style="list-style-type: none"> ▪ Implement flipped teaching model for senior forms students; ▪ Students will be asked to study and learn new subject contents by watching online videos at home and interact with peers at school by asking and answering questions during class discussions. • Auto-evaluation system for scanning and marking multiple exercises will be set up to provide real-time feedback, reports and statistics. • E-learning platform Moodle will be installed and set up for structural question assignment submission and instant grading and feedback.(For senior forms students only) 	✓	✓	✓
	<ul style="list-style-type: none"> • <i>(Assessment strategies)</i> • Informal assessment <ul style="list-style-type: none"> ▪ Control and monitoring system used in a smart classroom can allow teachers to pinpoint the learning outcomes and performance of students in real-time. • Formal assessment <ul style="list-style-type: none"> ▪ Self-check exercises in e-textbooks and school based e-learning resources. • Formative assessment <ul style="list-style-type: none"> ▪ Multiple-choice web-based formative assessment system; ▪ Create, deliver and track computer-based assessments so as to evaluate level of student understanding and pinpoint skills gaps. 		✓	✓

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	<ul style="list-style-type: none"> Summative assessment <ul style="list-style-type: none"> Track data with aggregated reporting on student outcomes, competencies, and learning diversities at multiple levels. 		✓	✓
	<ul style="list-style-type: none"> <i>(Others)</i> 			

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Concern: Schedule for using e-textbooks/e-learning resources				
Goals	Strategies	Schedule (<i>please ✓</i>)		
		14-15	15-16	16-17
<ul style="list-style-type: none">• <i>(Short-term and long-term goals of adoption of e-textbooks/ e-learning resources)</i>• Every S1 student can have at least one copy of personalized English e-textbook which he may highlight, jot notes and work on the exercises during lessons and after lessons anytime anywhere.• Using well-developed e-textbooks, S1 students are able to self study and self assess in their own pace.• With the help of multimedia rich e-textbooks, students are able to engage with interactive activities and group work in the classroom.	<ul style="list-style-type: none">• <i>(Strategies for progressive adoption of e-textbooks /e-learning resources in terms of number of levels)</i>• Platform / System used for adopting e-textbooks will be set up.<ul style="list-style-type: none">▪ Control and monitor system for e-classroom management. Teachers can get access and control over each student’s book reader (iPad).• Well-developed English e-textbooks will be carefully chosen for purchase or subscription.<ul style="list-style-type: none">▪ The price of each e-textbook should be at least 20- 30% less than a regular hard copy textbook.▪ The contents must be web-based and browser friendly.▪ The contents should be interactive and easily uploaded into students’ book readers (iPads at school and any type of tablet or smart phone for self study)▪ The contents used in classroom should be able to download onto external storage device for offline revision.• Each S1 student will have a personal account used for downloading the most updated version of English e-textbook and uploading class work and homework for assessment from the school cloud server.	<div>✓</div>	<div>✓ ✓</div>	<div>✓ ✓</div>

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<ul style="list-style-type: none"> School-based e-learning materials / exercises will be uploaded to the Internet for both junior and senior forms students to access and download anytime anywhere. 	<ul style="list-style-type: none"> School based e-learning materials will be developed and used among specific (S1 and 4) classes. S2 and S5 classes will be included for the 2nd phase of e-learning initiatives. S3 and S6 classes will then be recruited for the 3rd phase of e-learning project. 	✓	✓ ✓	✓ ✓
	<ul style="list-style-type: none"> <i>(Strategies for progressive adoption of e-textbooks/e-learning resources in terms of number of subjects)</i> S1 English and CL, S4 Liberal Studies will firstly be implemented e-learning. Collaboration between the above subjects will be tried out for the next year. Other subjects will then be recruited for e-learning programs for the third year. 	✓	✓	✓
	<ul style="list-style-type: none"> <i>(Others)</i> 			

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Concern: Professional development to enhance teachers' competence for using e-learning for better learning				
Goals	Strategies	Schedule (please ✓)		
		14-15	15-16	16-17
<ul style="list-style-type: none"> All teachers should understand the present trends and how e-learning can benefit students. All teachers should understand how a web-based model of teaching can improve their teaching practice and at the same time increase the achievement of their students. Four S1 English teachers, two S1 CL teachers and two S4 LS teachers should able to conduct teaching in a smart classroom using installed e-learning platform. Digitizing and utilizing existing teaching materials 	<ul style="list-style-type: none"> <i>(Themes / foci of professional development programmes)</i> Rationale and advantages of e-learning in education How e-learning facilities teaching and learning Experience sharing session on apply e-learning How to manage a technology enhanced classroom Evaluation on school-based e-learning initiatives 	✓ ✓	✓ ✓ ✓	✓ ✓ ✓
	<ul style="list-style-type: none"> <i>(Types / modes of professional development programmes)</i> Seminars and workshops will be firstly arranged for teachers involved. Workshops on pedagogical strategies will then be arranged on applying e-learning. Follow-up activities will be carried out to monitor the progress of e-learning. Regular sharing sessions will be arranged and experiences are shared among teaching staff. 	✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓
	<ul style="list-style-type: none"> <i>(Others)</i> Build and collaborate shared curriculum archive. 	✓	✓	✓

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Concern: Engagement of stakeholders				
Goals	Strategies	Schedule (please ✓)		
		14-15	15-16	16-17
<ul style="list-style-type: none"> • <i>(Short-term and long-term goals of engagement of stakeholders)</i> • Issues will be discussed and endorsed by the IMC. • Teachers will be well informed during staff meetings. • Parents will be informed via school webpage, e-notices and school publications. 	<ul style="list-style-type: none"> • <i>(Progress to be reported to SMC / IMC; issues to be discussed / endorsed by SMC/IMC; modes and frequency of engagement; etc)</i> • Issues will be reported and discussed during regular meetings in the IMC. • Annual review will be taken by the end of school year. • Policies and initiatives will be revised for the coming school year. 	✓	✓	✓
	<ul style="list-style-type: none"> • <i>(Progress to be reported to teachers; views to be collected from teachers; modes and frequency of engagement; etc)</i> • Progress will be discussed and reported during subject panel meetings and staff meetings. • Regular evaluation meetings will be conducted and feedbacks and opinions will be collected from teachers accordingly. • Annual review meeting will be held by the end of school year. • Policies and initiatives will be revised for the coming school year. 	✓	✓	✓
	<ul style="list-style-type: none"> • <i>(Progress to be reported to parents; views to be collected from parents; modes and frequency of engagement; etc)</i> • Progress will be reported via the school webpage and e-notices. • Progress will also be reported and views will be gathered among parents during the AGM (annual general meeting). • Details of the project will be reported in the school publications (annual report and school magazines). 		✓	✓

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Concern: Buildup of mobile learning environment					
Goals	Strategies	Schedule <i>(please ✓)</i>			
		14-15	15-16	16-17	
<ul style="list-style-type: none">• <i>(Short-term and long-term goals of Buildup of mobile learning environment)</i>• Create SMART classrooms for teaching and learning by integrating e-learning technology.• With the help of SMART Classroom Suite interactive learning software, S1 teachers are able to engage and collaborate with students in a SMART classroom.• Implement Cloud technology for better data management and effective classroom teaching.• Implement wireless e-learning environment by Air Play technology for iPad presentations.	<ul style="list-style-type: none">• <i>(Strategies for enhancement of IT infrastructure)</i>• Every classroom and special room is technology enhanced that equipped with computer and audiovisual equipment, allowing teachers to teach using a wide variety of media.• Four S1 classrooms will be specially designed for e-textbook teaching with students using iPads as learning tool.<ul style="list-style-type: none">▪ Equipped with SMART interactive whiteboards with dual-touch that allow teachers to deliver dynamic lessons and collaborate with students using digital pens.▪ Touch-Panel Control System will be installed for e-classroom management.• Teaching materials and resources are digitized and stored in the school cloud server for easy access, delivery and sharing.• Data is centralized and secured using different levels of security measures including data encryption.• Apple TVs have been installed in all S1 classrooms for wireless projection.• This feature allows students to use their own iPads for presentation anywhere in a SMART classroom without the need of a VGA cable.	<div>✓</div> <div>✓</div> <div>✓</div> <div>✓</div> <div>✓</div> <div>✓</div>	<div>✓</div> <div>✓</div> <div>✓</div> <div>✓</div> <div>✓</div> <div></div>	<div>✓</div> <div></div> <div></div> <div></div> <div></div> <div></div>	

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	<ul style="list-style-type: none"> • <i>(School policy to handle increasing number of mobile computing devices, etc.)</i> • Regulations and security issues will be drafted. • Guidelines and regulations will be well informed among teachers and students. • Details and working instructions will be posted and circulated via school intranet and school webpage. • Policy that ensures a technology enhanced classroom environment that is safe, secure, welcoming, and conducive to effective teaching and learning will be implemented. • Written instructions for both teachers and students. 	✓	✓	
	<ul style="list-style-type: none"> • <i>(Others)</i> 			