

ORANGE COUNTY
BOARD OF EDUCATION

AGENDA ITEM ABSTRACT

Meeting Date: June 11, 2012

AGENDA ITEM No. 12-06-15

ACTION ITEM: (Y/N) N

SUBJECT: Curriculum Tools for One-to-One Report

INFO. CONTACT: Angie Veitch / Dr. Denise Morton PHONE: 919-732-8126

ATTACHMENTS: 1. Curriculum Tools List
2. Additional Free Curriculum Tools List for Grades 6-12

PURPOSE: The purpose of this item is to provide the Board of Education a report on the curricular tools which will be available to students and teachers in grades 6-12 for the one-to-one initiative implementation.

BACKGROUND: In May 2012, the Board of Education approved the first two phases of the Orange County Schools digital conversion. This report will provide information related to the software tools which will be a part of the initiative.

The following software tools will be provided to every teacher in grades 6-12 in order to deliver content consistently across the district:
Discovery Education, Time for Kids, Study Island, Khan Academy, Learn NC, and SAS Curriculum Pathways.

Training will be provided to teachers during the summer, at the beginning of school in August and throughout the 2012-2013 school year on how to use the sites successfully. For example, on June 11, 2012, teachers will be trained in the use of Moodle which is an online learning management system. The district will also provide training to help prepare teachers for the laptop implementation during its "Catch the Wave" annual summer technology conference during the latter part of June, 2012.

The second attachment is a list of free resources that the Curriculum Division has researched and will provide to teachers as additional supplements for daily instruction. Also, digital textbooks along with the listed software resources will support the Common Core and essential standards curriculum.

FINANCIAL IMPACT: All software costs will be paid from existing textbook and local dollars. The following software packages will require an annual subscription fee:

- Discovery Education \$17,583.00
- Time for Kids \$ 6,766.00
- Study Island \$37,000.00
- Total \$61,349.00

The following sites will be free of charge:

- Khan Academy
- Learn NC
- SAS Curriculum Pathways

RECOMMENDATION: The Superintendent recommends the Board of Education hear the report, discuss the topic and provide direction to staff as needed.

Curriculum Tools for Students and Teachers Grades 6-12

SUBJECT	RESOURCE	DESCRIPTION	WEB ADDRESS
Science Education	Discovery Education	A science "techbook" helps teachers use digital resources to teach science education	www.discoveryeducation.com
All Content Areas	Time for Kids	A news magazine offers age appropriate news stories and features with a focus on informational text	www.timeforkids.com
All Content Areas	Study Island	Provider of standards-based assessment, instruction and test preparation	www.studyisland.com
All Content Areas	Khan Academy	Provides a library of over 3,000 videos covering everything from arithmetic, physics, ---and hundreds of skills to practice	www.khanacademy.org
All Content Areas	Learn NC	Learn NC provides lesson plans, learning materials and curriculum standards to support K-12 teaching and learning	www.learnnc.org
All Content Areas	SAS Curriculum Pathways	An online curriculum resource for all core disciplines	http://www.sascurriculumpathways.com

Additional Free Curriculum Tools List for Grades 6-12

SUBJECT	RESOURCE	DESCRIPTION	WEB ADDRESS
ELA	UNC-CH Writing center	Writing center handouts and demos	www.writingcenter.unc.edu/resources/handouts-demos
	MLA Purdue Writing Lab	MLA style writing and formatting pages	http://owl.english.purdue.edu/owl/resource/747/01/
	Capital Community College Foundation	Guide to grammar and writing	www.grammar.ccc.commnet.edu/grammar/
	NC DPI- ELA resources	Resources for ELA	http://elaccess.ncdpi.wikispaces.net/Resource
Science			
	Vernier Software and Logger Pro	Software for science probes	http://www.vernier.com/downloads/
	Gizmos	Simulations for math and science	www.explorellearning.com
	PHET	Fun, interactive, research-based simulations of physical phenomena from the PhET™ project at the University of Colorado.	http://phet.colorado.edu/
	McGraw Hill Virtual labs	Virtual labs for biology	www.highered.mcgraw-hill.com/sites/007352543x/student_view0/virtual_labs.html
	APBio Labs	AP Biology labs	http://www.loc.gov/index.html
	AP Environmental Science	Virtual AP Environmental Science labs	http://www.ucopenaccess.org/course/view.php?id=13

	Habitable Planet	Habitable Planet is a multimedia course for high school learners interested in studying environmental science.	http://www.learner.org/courses/envsci/
	Hippo Campus	Online resources for math, science and social studies	http://www.hippocampus.org/
	Study Jams	Videos and assessments for math and science.	http://studyjams.scholastic.com
Social Studies	Documenting the American South	Website for US History	http://www.docsouth.unc.edu/
	Superpower Relations Cold War Resources	Interactive website for the cold war	http://www.schoolhistory.co.uk/lessons/coldwar/coldwar_end.html
	Library of Congress	Primary sources for social studies classes	http://www.loc.gov/index.html
	Free Civics on line textbook	Online course content	http://thisnation.com/
	US History	Online course content	http://www.ushistory.org/us/
	American Government	Online course content	http://www.hippocampus.org/History%20%26%20Government
	U.S. History	Online course content	http://www.hippocampus.org/History%20%26%20Government
	U.S. Government and Politics for AP*	Online course content	http://www.hippocampus.org/History%20%26%20Government
	U.S. History for AP	Online course content	http://www.hippocampus.org/History%20%26%20Government

			http://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=2&sqi=2&ved=0CjIBEBYwAQ&url=http%3A%2F%2Ffreedownload.is%2Fpdf%2Fib-history-of-the-americas-textbook&ei=9ea7T73-AYeg&pgS9lc2TCg&usq=AFQjCNE-7GmxaTQC53MBCT14a2w6InW5ka
	IB History of the America's	Online course content	https://sites.google.com/site/fxcatro/home/IBPsychl
	IB Psychology I / PSYCH 201	Online course content	http://freedownload.is/pdf/ib-psychology-textbook
	IB Psychology --	Online course content	http://www.intrropsych.com/index.html
	Intro to Psychology	Online course content	http://www.gvirtuallearning.org/Resources/SharedWorldHistory.aspx
	World History	Online course content	
Math			
	Cool Math	Free Graphing calculator	http://www.coolmath.com/graphit/
	Geogebra	Interactive graphics, algebra and spreadsheet	http://www.geogebra.org/cms/index.php
	Hippo Campus	Online resources for math, science and social studies	http://www.hippocampus.org/
	Brightstorm	Free Homework help for English, Science, Math	http://www.brightstorm.com/
	Study Jams	Videos and assessments are included for math and science.	http://studyjams.scholastic.com
French			
	Learn French Online	Free online French	http://www.lsfrench.com/beginners2.html
	Bonjour	Free online French	http://www.bonjour.com/

	French/Spanish Online	Free online French	http://www.frenchspanishonline.com/beginnersfrench/freefrench.html
	The French Tutorial	Free online French	http://www.frenchtutorial.com/
	The French Assistant	Free online French	http://www.frenchassistant.com/
	Open Culture	Lists several free online French resources	http://www.openculture.com/free_french_lessons
Spanish	Online Free Spanish	Free online Spanish program	http://onlinefreespanish.com/
	123 Teach Me	Free online Spanish program	http://www.123teachme.com/
	Study Spanish	Free online Spanish program	http://www.studyspanish.com/
	Spanish Dict	Free online Spanish program	http://www.spanishdict.com/learn
	Lapasserelle	Free online Spanish program	http://lapasserelle.com/sm/esp90mp3/index-accueil
	Spanicity	Free online Spanish program	http://www.spanicity.com/
General	Read Out Loud	Allows students to look up meanings of words, annotate texts and the computer reads text	http://download.cnet.com/Read-Aloud/3000-2056_4-10907927.html
	Skype	This service allows users to communicate with peers by voice, video, and instant messaging over the Internet	www.skype.com/

	SmartBoard Notebook	Software that allows individual viewing and manipulation of SmartBoard Lessons	http://smarttech.com/us/Support/Browse+Support/Download+Software/Software/SMART+Notebook+collaborative+learning+software/SMART+Notebook+software/SMART+Notebook+11+Software+for+Windows
	Jing	Software for creating recordings and demonstrations for lessons	http://www.techsmith.com/jing.html?gclid=CpuC18_Sq7ACF6R7QodxgiiUg
	UCCP Open Access:k12 courses	Open Courseware for 12 HS courses	http://www.ucopenaccess.org/course/category.php?id=9
	Free Online textbooks	94 Free online textbooks	http://www.ck12.org/flexbook/
	Discovery Education	Digital media library service	www.discoveryeducation.com
	Teachers Domain	Teachers' Domain is a free digital media service for educational use from public broadcasting and its partners.	http://www.teachersdomain.org/
	NC WiseOwl	NC WiseOwl (NC Online Windows for Learning) has been providing online subscription resources for NC schools for the last decade. It is a collection of online resources for use in research projects and homework assignments, without regard to the economic status of their local school system.	www.ncwiseowl.org
	Channel One	Educational news broadcast	http://www.channelone.com/
	Mr. Nussbaum	Mr. Nussbaum includes interactive games tied to K-8 concepts.	http://www.mrnussbaum.com/
	Museumbox	Creates a virtual box that contains items to highlight a person or topic	http://museumbox.e2bn.org

	Snag Films	Videos for all content areas	www.snagfilms.com
	Study Jams	Videos and assessments are included for math and science.	http://studyjams.scholastic.com
	TED	Videos covering all areas	www.ted.com
	Thinkfinity	Search engine for teachers	http://thinkfinity.org
	Teachers First	Search engine for teachers	http://www.teachersfirst.com
	The Futures Channel	Videos for all content areas	http://www.thefutureschannel.com/
	Georgia Virtual Learning	Content for all subject areas	http://www.gavirtuallearning.org/Resources/Shared9thLitCompCopyMaster.aspx
	Sophia	Content for all subject areas	http://www.sophia.org
	LearnNC	Resources for K–12 teaching and learning	http://www.learnnc.org/