

ORANGE COUNTY
BOARD OF EDUCATION

AGENDA ITEM ABSTRACT

Meeting Date: May 14, 2012

AGENDA ITEM No. 12-05-09

ACTION ITEM: (Y/N) N

SUBJECT: Technology Work Session

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ATTACHMENTS:

1. *Preparing Orange County Schools for the Digital Classroom*
(see district website at www.orange.k12.nc.us/digital_classroom/pdf)
 2. BOE Technology Work Session outline
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PURPOSE: The purpose of this item is to provide the board an opportunity to hear and discuss the status of instructional technology implementation in Orange County Schools. Information for review and discussion in the following areas will be provided:

- Teacher reports on instructional uses of student technology.
- Status report on the upgrades to the infrastructure.
- Current status of professional development and teacher readiness for using technology in their classrooms.
- Financial and communication information.
- Future plans for the role that technology and digital resources will play in lessons covering the new Common Core and More curriculum lessons.
- Policies and procedures.
- Potential implementation timelines.

BACKGROUND: At the October 3, 2011 meeting the Board of Education was presented a report on the past, current and future planning for the use of instructional technology in Orange County Schools (OCS). During January and February, 2012 meetings, the board received presentations from staff which focused on student one-to-one computing initiatives. On March 27, 2012, all board members and the superintendent visited Mooresville Graded School District which is considered a national model for technology implementation. During this visit, board members heard presentations, observed classes and interacted with students and teachers. On April 16, 2012, the Board of Education approved a technology plan for submission to the State. Strategic priorities of this plan include goals for providing universal access to digital teaching and learning devices.

For this work session, presentations will be made by teachers, students and administrators showing current use of technology in our schools and thoughts on how to improve instruction using digital resources.

A comprehensive report *Preparing Orange County Schools for the Digital Classroom* has been developed. This document includes specific details including program planning, digital resources, technical infrastructure evaluation reports/recommendations, financial information, device comparisons, policy/procedures and potential implementation timelines.

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FINANCIAL IMPACT: The cost of purchasing teacher laptops is \$408,200 and these will be funded through a combination of existing resources. The projected cost of purchasing Phase II laptops for students in grades 6 – 12 is \$2.61 million and these will be funded by using revenues from the one-quarter cent sales tax and curriculum and instruction budget appropriations. Network infrastructure upgrades are projected to be \$175,000 and will be paid for through state technology funds and local pay-as-you-go funds. Other related costs are outlined in the comprehensive report. Over a 5 year period, total projected cost for the entire project including infrastructure is \$4,785,988.

RECOMMENDATION: The Superintendent recommends the Board of Education receive presentations, discuss current status, and provide direction to staff as needed.

BOE Technology Work Session

May 14, 2012

Introduction

Overview -- PowerPoint presentation

Showcases (30 to 45 minutes)

Introduction of presenters who will be speaking to the current use of technology in OCS and the differences having laptops is making concerning instruction and student engagement. (5 to 7 minutes each)

- Elementary School—Julia Workman-CP Grades 1 & 2 combination
- Middle School—Michele Johnson-ALS-English
- High School—Sarah Hill and Marcus Alford—OHS English
- High School—Shelley Faucette (CR) Math and Angela Wimberly (OHS) Math
- EC—iPads with our special needs students
- Elective—Mary May—CWS—band
- Administrator—Anne Purcell—CWS
- Wrap up of showcase from Superintendent or Dr. Morton re: common core curriculum and textbooks, etc.

Infrastructure, network Evaluation, wireless evaluation update (15 to 20 minutes)

- Report on what we are doing and info from the Tech Advisory meeting on May 8.

Devices (15 to 20 minutes)

- Review model comparisons (have laptops at meeting, etc)

Financials and Communications (20 to 30 minutes)

- Proposed Student Use Fee/Bookbags
- Parent Communication Plan
- Staffing Plan (to include creation of student Help Desk, etc.)
- Community Partner opportunities – Report from Laptop Luncheon
- Financing options (include Attorney)

Policies & Procedures (5 to 7 minutes)

- Superintendent & Attorney

Implementation Timetable (5 to 10 minutes)

Additional Questions (5 minutes)