

ORANGE COUNTY
BOARD OF EDUCATION

AGENDA ITEM ABSTRACT

Meeting Date: December 6, 2010

AGENDA ITEM No. 10-12-12

ACTION ITEM: (Y/N) Y

SUBJECT: High School Course Proposals New – 2011-2012

INFO. CONTACT: Dr. Denise Morton/Steven M. Weber PHONE: 245-4000, ext. 17501

- ATTACHMENTS:
1. List of Courses Approved by District Committee
 2. Justification for Courses (as outlined by each high school)
 3. Financial Impact
 4. Board Policy 3105
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PURPOSE: To provide the Board of Education with the proposed new high school courses for the 2011-2012 High School Curriculum and Registration Guide for their review and approval.

BACKGROUND: On November 16, 2010, a district committee met to review and discuss new high school course proposals being recommended for the 2011-2012 school year. The courses which were approved by the committee were presented to the Superintendent and Chief Academic Officer. The attached courses are being presented to the School Board in compliance with Board Policy 3105.

FINANCIAL IMPACT: The math course will be taught by existing personnel. Refer to attachment C. CTE courses will be taught by existing CTE teachers and supported with CTE state and federal funding.

RECOMMENDATION: The Superintendent recommends that the Board of Education review and approve the proposed courses for the 2011-2012 High School Curriculum and Registration Guide.

Courses Approved By District Committee

Attachment A

On November 16, 2010, a district committee met to review new course proposals from Cedar Ridge High School and Orange High School. The committee consisted of two parents, one assistant principal, and two Central Office staff members. Four new courses were submitted to the Office of Secondary Instruction. Each of the four courses reviewed were approved and forwarded to the Superintendent. Following a review by the Superintendent and Chief Academic Officer, it was recommended that the four courses listed below be presented to the School Board for their review and approval.

Proposed new courses:

- Foundations of Geometry
(presented by Bruce Middleton, K-12 District Math/Science Coordinator)
- Fashion Merchandising
- Principles of Engineering
- SAS Programming I
(presented by Patricia Harris, CTE/Arts Education Director)

Committee Members:

- Dr. Denise Morton
- Steven Weber
- Linda Ollis
- Rhonda Snyder, Parent, Cedar Ridge High School
- Bryant Colson, Parent, Orange High School

Justification for Courses as Outlined By Each High School
Attachment B

Course	Justification
Foundations of Geometry	The state is eliminating Tech Math I and Tech Math II. This course will help reinforce Algebra skills and introduce Geometric concepts to students who need additional skill building and academic support prior to enrolling in Geometry. This course will support students as they continue to pursue a high school diploma and strive to complete the state guidelines which require students to complete four mathematics courses.
Fashion Merchandising	Student interest at OHS is the main justification. Ninth graders are especially in need of an entry level course for Marketing. This course will help OHS complete the Marketing pathway. The course will support courses already offered such as Marketing, Sports Marketing I and II, and Advanced Studies. This course will also enter into the Family and Consumer Education pathway with Apparel Development.
Principles of Engineering	This course is the second level in the Engineering pathway. There are five classes of 20 students currently enrolled in level one and students are interested in taking the second level. This course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Students will have the opportunity to investigate engineering and career opportunities.
SAS Programming I	Student interest at OHS is the main justification. Approximately 20 students have shown interest in taking the prerequisite course during the spring of 2011. This course is the entry point for students to learn SAS Programming. Data from the Triangle Economic Development shows that the next wave of careers will include data analysts and gaming designers. Computer Programming will prepare students for both of these and also engineering career pathways.

Financial Impact

Attachment C

Course	Financial Impact by Course
Foundations of Geometry	<p>There are no costs associated with the addition of this course.</p> <p>Each school already owns Prentice Hall Geometry textbooks.</p> <p>The elimination of Tech Math I and Tech Math II by the state department means that this course will replace the Tech Math course in the schedule.</p> <p>Class space is available.</p>
Fashion Merchandising	<p>No textbooks are needed at this time. Marketing textbooks can be used and other resources will be available. Career and Technical Education (CTE) will support the purchase of instructional supplies which will cost between \$100 - \$300.</p>
Principles of Engineering	<p>A computer lab is already in place with the appropriate software. Career and Technical Education (CTE) will support the purchase of instructional supplies which will not exceed \$1,000.</p>
SAS Programming I	<p>There are no costs associated with the addition of this course.</p> <p>SAS programming provides curriculum, software, and teacher training at no cost to each school district.</p>