

REPORT SUMMARY SHEET

BOARD MEETING DATE: February 20, 2018

TITLE AND BRIEF DESCRIPTION: High School Math Course Changes

ACTION DESIRED:

Informational only

BACKGROUND:

Graduates of Eldon High School tend to take three different paths: university, technical school, or work force. For students who are on track to go to a university, we provide upper level math classes such as College Algebra, Statistics, and Calculus; these classes are also offered dual credit. For students going into the workforce, we provide integrated math for their third math credit. This class offers real world math applications. For our students going to technical schools, such as State Technical College, we do not currently offer a class that prepares them for the types of math required at these institutions. We would like to offer Technical Math 1 and Technical Math 2 to build a foundation for course work that is required for students seeking a technical degree or certificate. The Tech Math 1 and 2 classes will allow us to better prepare a variety of types of students for secondary education and/or the workforce.

(Here are the course descriptions for the course guidebook)

MATH TECH I

Grades 11-12

1/2 credit

Math tech is a course designed for students to strengthen mathematics reasoning skills as preparation for further coursework or the workforce. Students will understand and apply various geometric concepts including describing, measuring, and classifying two- and three-dimensional figures, measure with precision, and draw conclusions or make decisions using proportional reasoning (including using ratios, proportions, rates, and percentages to explain and make decisions).

Prerequisite: Algebra I and Geometry

MATH TECH II

Grades 11-12

1/2 credit

Math tech is a course designed for students to strengthen mathematics reasoning skills as preparation for further coursework or the workforce. Students will read, interpret, analyze, and synthesize quantitative data (e.g., graphs, tables, statistics, survey data, etc.) and make reasoned estimates and inferences. Specifically, students will be able to: collect and organize data in graphs and tables, use descriptive statistics to interpret and analyze quantitative data, and use probability to interpret and analyze quantitative data. Students will also create, apply and use mathematical models to solve problems.

Prerequisite: Math Tech I(C- or teacher recommendation)

GOALS:

Improve our student's math skills.

OPTIONS/ALTERNATIVES CONSIDERED:

Keeping the math options the same.

RECOMMENDATION:

Information only

IMPLICATIONS OF ADOPTION/REJECTION OF RECOMMENDATION:

Information only

TIMELINE: 2018/2019 School year

RESPONSIBLE PERSONS: Mrs. Harwood

SUPERINTENDENT'S APPROVAL:

Math Dawn

For the purpose of submitting report
