

ATTACHMENT X-B

ATTACHMENT X-B:	North Boone High School Curricula Recommendations
Suggested Motion:	Move to approve the addition of three new courses at North Boone High School
Recommended Action:	Approve as presented.

In accordance with the Strategic Plan and Policy 6:40, *Curriculum Development*, it is recommended that the District adopt the following new courses to the curriculum at North Boone High School:

AP Statistics Course Description

Students will be introduced to the major concepts of probability, interpretation of data and statistical problem solving. Students will learn the course concepts through hands-on experimentation and investigation. They will analyze existing data as well as data collected through a survey, observational study or experiment. They will then display the data in different ways, analyze it and draw conclusions based on the results. The four main components of the course are:

1. Exploring data and describing patterns;
2. Sampling and data collection in which students are required to conduct a study;
3. Probability for future occurrences; and,
4. Inference for populations.

Major topics to be discussed in this class include: event probability, probability distributions (binomial and normal), measure of central tendency and variability, random variables, confidence intervals, regression and correlation. Students will be required to bring a TI-83 or TI-84 graphing calculator to class on a daily basis.

Digital Communication Tools (DCT)

This is a business course that prepares students to use computerized devices and software programs to effectively handle communication-related school assignments and to develop communication competencies needed for personal and professional activities after graduation. Students will learn the capabilities and operation of high tech hardware and software and will develop proficiency using a variety of computer input and output technologies, including touch keyboarding, speech recognition, and handwriting recognition. Knowledge of hardware, software, and input and output proficiencies will be applied to communication situations that require problem solving and critical thinking. The projects included in this course will enable students to enhance their math, reading, listening, writing, speaking, and information presentation skills.

Introduction to Music Theory, History and Composition

This is a year-long course that will cover music history from the first written notation through today's music. This class will study music theory to form a firm foundation on the basic principles of how music is structured. Once those skills have been mastered, notation software will be used for composition. A non-traditional approach to music composition by Michael Colgrass will also be examined. Mr. Colgrass has taught composition using non-musical symbols for performing musicians to interpret. This class has no prerequisite, as it will begin with the basic fundamentals of reading music notation. There is a lot to be covered in order to be able to compose music. This is a great class for the high school student who plays by ear but does not read music.

This class will give students a firm foundation on the principals of music theory and how music is organized (in a mathematical sense). Students will understand and recognize parallels between music compositions and history, gain the ability to compose music on their own using both pencil and staff paper and computer-generated music scores, and will become more rounded and better musicians through the understanding of how music is composed.

The aforesaid classes will not require additional personnel and would be added to the 2012-2013 high school curriculum.