

REPORT SUMMARY SHEET

BOARD MEETING DATE: March 18, 2019

TITLE AND BRIEF DESCRIPTION: High School Science Course Changes

ACTION DESIRED: Approval of Biomedical class at the High School

BACKGROUND:

The high school graduation requirements for science are three credits. Historically, our students would take Physical Science, Biology, and Chemistry. We then offer advance courses of Advanced Chemistry, Anatomy, Physiology, College Biology, Science Research, and Physics. We would like to offer another course called Biomedical Science as several students have a career interest in the health field. Below is the description.

Principles of Biomedical Science (1 year)

In the introductory course of the Biomedical Science class, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Mrs. Harwood, Mrs. O'Donnell, and Mr. Bradley went to Columbia Career Center to see this class. They were impressed with what it offered the students. We then called Morgan County R-1 and visited with their teacher about the class.

We will reduce the number of Chemistry offerings by two and add two sections of Biomedical Science. The cost to train the teachers will be approximately \$9,000 and that will include the curriculum. We will also have an annual cost of \$2,000 to be part of the Project Lead the Way curriculum.

GOALS:

Some students will take Biomedical Science class instead of Chemistry.

OPTIONS/ALTERNATIVES CONSIDERED:

Keeping the science options the same.

RECOMMENDATION:

Approve the adoption of the biomedical class.

IMPLICATIONS OF ADOPTION/REJECTION OF RECOMMENDATION:

If adopted we will set up the training for this summer immediately.

TIMELINE: 2019/2020 School year

RESPONSIBLE PERSONS: Mrs. Harwood

SUPERINTENDENT'S APPROVAL:

Math Davis

For the purpose of submitting report