EXHIBIT 4
DATE Feb. 5, 2015
HB 356

Helena High School

1300 Billings Ave.

Helena, MT 59601

Go Bengals!

Career & Tech Ed Department

Student Youth Organizations:

- American Welding Society
- Business Professionals of America
- DECA
- SkillsUSA
- Culinary Arts Club
- HOSA

CTE
Build Your Future
Career & Technical Education

HEALTH CAREERS

The Health Careers Pathway consists of the 4-year Project Lead the Way (PLTW) Biomedical Sciences Program as well as Health Careers Exploration and Athletic Training.

PLTW Principles of Biomedical Science: Elective 9 – 10 Full Year – 1 Credit

Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and treatments that might have prolonged the person's life.

PLTW Human Body Systems: Elective 10 – 11 Full Year – 1 Credit

Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor basic body functions. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries.

PLTW Medical Interventions: Elective 11– 12 Full Year – 1 Credit

Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body as students explore: how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail.

PLTW Biomedical Innovations: Elective 12 Full Year – 1 Credit

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design and present innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry.

Health Careers Exploration: Elective 11-12 Full Year—2 Credits

Students will explore a variety of health care occupations through job shadows and class lectures by community health care providers. The students will be studying Human Anatomy and Physiology through lecture and labs. Also, the students will learn medical terminology and medical math. Lastly, the students will get certified in First Aid/CPR and in Nursing Assisting. With these two certifications, the students will be able to enter the Health Care field immediately.

Basic Athletic Training: Elective 10-12 One Semester—0.5 Credits

Students will get certified in First Aid/CPR and learn about Sports Medicine. The students will get a good base in medical terminology, the healing process of the body, and explore the duties and functions of the Sports Medicine team. Throughout the semester the students will be studying musculature and skeletal anatomy along with the function of major joints in the body. The students will learn how to manage and recondition common athletic injuries. Lastly, the students will learn preventative taping and stretching of major muscles and joints of the body.

FAMILY AND CONSUMER SCIENCES

Family and Consumer Science – Culinary Arts

CTE Industries / Pathway: Hospitality & Tourism

Dual Credit Option: Missoula College, Course 105 Safety and Sanitation

Certification Option: *ProStart* – National Restaurant Association

The Culinary Pathway includes a sequence of four courses leading to a career in the Hospitality and Tourism industry. Students in **Culinary I, II and III** utilize the National Restaurant Association curriculum *ProStart*. Culinary I and II develop the student's skills in culinary arts and expose the students to the world of professional cooking. Students have opportunities to work with industry partners in outside caterings and events. Culinary III is the capstone experience for the culinary student, offering the opportunity for dual credit from Missoula College in Safety and Sanitation, externships with local chefs and state and national competitions. **Culinary I, II and III** are 2 hour block classes for Juniors/ Seniors who have successfully passed **Intro to Culinary**. Application details available from the counseling center.

Intro to Culinary Arts and Nutrition Elective: 9 – 12 Semester .5 Credit

The first course of the series is **Intro to Culinary Arts** is open to all students, one semester. The course is designed to introduce basic nutrition and cooking skills for individual and family cooking. The course is based on a whole foods approach with an emphasis on sustainability, local, and fresh foods, safety and sanitation, nutrition basics, the relationship between disease and diet and food culture in American life.

Culinary I Pre-Requisite – Intro to Cul Arts (7520) Elective: 11 - 12 Semester - 1 Credit

Culinary I is an exciting and innovative hospitality/culinary arts education designed specifically for students interested in a career in the food and hospitality industry. The course is based on the National Restaurant Association program, ***ProStart***, which provides classroom training in all aspects of culinary careers including job seeking skills, management, nutrition and food preparation skills. 2 hr block class, signature of instructor required with 1 pg application. $25 lab fee required. Application available in Rm 50 or Counseling Office.

Culinary II Pre-Requisite –Culinary I (7531) Elective: 11 – 12 Semester – 1 Credit

Culinary II continues the study of a professional career in hospitality /culinary arts. Catering for the school events will be part of the culinary arts curriculum. 2 hr block class, signature of instructor required with 1 pg application. $25 lab fee required. Application available in Rm 50 or Counseling Office.

Culinary III Pre-Requisite –Culinary II (7541) Elective: 12 Semester – 1 Credit

Culinary III is the capstone experience for students who have successfully completed Intro, Culinary I and II. Safety and Sanitation 105 – is integrated into the class for those who would like dual credit / manager certificate from ServSafe. Students will be involved in a competition team, training with a chef mentor and work independently in externships/internships in the community. Application available in Rm 50 or Counseling Office.

Learning that works for America
CTE®

WELDING

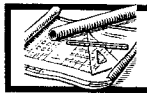
WELDING I - Full Year = Grades 9-12
Introduction to SMAW (Arc), OFW (Gas) and GMAW (MIG) Welding.
WELDING II - Full Year = Grades 10-12 (2 Period Class)
Introduces advanced welding techniques. Students are expected to design and fabricate projects. *Dual Credit Option: Helena College Welding 112 Cutting and Processing, Missoula College Welding 184*
WELDING III - Full Year = Grades 11-12 (2 Period Class)
This is an advanced course that will further your welding knowledge. The focus of this course will be to strengthen and advance student welding and engineering skills as they apply to personal metal manufacturing projects, careers, and related industrial certifications. *Dual Credit Option: Helena College Welding 112 Cutting and Processing, Missoula College Welding 184*
WELDING IV - Full Year = Grades 11-12 (2 Period Class)
This is a lab based, project oriented class that is designed for employment readiness. The class is designed to prepare the student for post-secondary education or employment. Students will focus on writing skills and building a portfolio for employment or post-secondary education. Students will train for AWS and NCCER welding certifications in conjunction with the Helena College. *Dual Credit Option: Helena College Welding 112 Cutting and Processing, Missoula College Welding 184*
WELDING/MANUFACTURING CO-OP—Full Year =Grade 11-12 Student must be 18 years old. Cooperative welding/manufacturing education is a program in which welding students who, through a cooperative arrangement between the school and employers, receives classroom instruction and related on-the-job training in a welding occupation.

WOODS

Industrial Arts Full Year = Grade 9—12
Introductory drafting and woodworking.

Carpentry & Cabinetmaking Full Year = Grades 10—12
(2 Period Class)
Introduces students to basics of construction and cabinetry.

Carpentry II Full Year = Grades 11—12
(2 Period Class)
Students build an on site house from foundation to finish. All aspects of construction are covered. Project is in conjunction with Rocky Mountain Development Council.



DRAFTING

FUNDAMENTAL DRAFTING
This course studies basic drafting skills. Those desiring to develop basic drafting skills and who have any interest in engineering or architecture are encouraged to participate.
MECHANICAL DRAFTING
This course will enhance advanced drafting skills. Those considering engineering will develop advanced skills that will enhance their college experience.
ARCHITECTURAL DRAFTING
This course studies design techniques used in residential construction. Students considering a career in architecture will benefit from this class.
CAD ARCHITECTURAL
This course is designed to help all students enhance their interest in architecture. Students develop a house plan using Soft-Plan, an intuitive architectural software that helps almost all students visualize and draw a complete set of house plans.
CAD MECHANICAL
This course is designed for advanced drafting. They will develop advanced skills working with AutoCAD.
CAD Special Projects
This course is designed for advanced students who have completed all of the other CAD courses offered.

AUTO

AUTO I Semester = Grades 10-12

Students will be introduced to the field of automotive technology. Topics covered in this section will include shop safety, tools and equipment, vehicle systems, vehicle maintenance and automotive careers..

AUTO II Full Year = Grades 11-12

The students will learn the skills necessary to diagnose and repair small engines, electrical systems, brakes, steering and suspension systems. Students will also learn basic auto body repair and paint techniques.

AUTO III Full Year = Grade 12 (2 period class)

The students will learn the skills necessary to diagnose and repair automotive drive trains, advanced electrical, engine performance, engines, and HVAC. This is a capstone course in which students will be allotted a large amount of shop time for live vehicle repairs.

BUSINESS

The ability to use computers is one of the most important skills for the 21st Century. Business-related skills permeate every aspect of our lives, regardless of our chosen career field and give the extra edge when competing for jobs. These skills will also carry over into all other high school curriculum and are critical for Career and College Readiness.

Bengal Business - Elective: 10 – 12 (9 with 7304) Semester - .5 Credit

Students work independently learning computer application skills that include Desktop Publishing, Graphic/Web Design using Adobe CS6., Microsoft Office Word and Excel, as well as Publisher, Access and PowerPoint.

Business Cooperative - Elective: 11 - 12 Semester/Year .5 - 1 Credit

Employed students can earn credit for holding a job outside of school by working, completing work skills units, submitting work hours and employer evaluations.

Career Planning - Elective: 9 - 12 Semester .5 Credit
Tech Skills for Life - Elective: 9 - 12 Semester .5 Credit Dual Credit Option Available

Overview class covering Excel, Presentation Software, Access & Beginning Programming, Networking & Robotics.

Basic Computer Skills - Elective: 9 - 12 Semester .5 Credit

Lays foundation for students to successfully use computers and the Internet throughout their high school careers.

Business Math - Elective: 10 - 12 Year 1 Credit
Basic Math Skills proficiency and application of skills for understanding of earning and managing money, income taxes, world travel, independent living, and more.

Money Management - Elective: 10 - 12 Year 1 Credit
Personal Finance Skills for life that includes investing, credit, college funding, renting and home ownership; automobile financing; and more.

Law and Justice - Elective: 9 - 12 Semester .5 Credit
Business & Personal Law with a focus on Criminal and Civil law and courtroom procedures through Mock Trial competition.

Accounting 1 - Elective: 10 - 12 Year 1 Credit
Dual Credit – Accounting 101 (3 Credits—Helena College)

Small Business Management - Elective: 10 - 12 Year 1 Credit
Small Business Management Concepts including Business Plan Development; Experiential Learning by working in the Catty Shack.

JMG - Jobs for Montana's Graduates - Elective: 11 - 12 Year 1 Credit
Career planning; Employment skills; Basic Competencies; College Planning; Leadership and a lot of public service and community awareness.

Pathways: -Small Business Management
-Finance

MARKETING

Marketing Education is a process composed of activities designed to create exchanges that satisfy individual and organizational objectives. The Marketing Ed, Sports and Entertainment Management, Small Business Management and SBM II courses are designed around national standards for Marketing Management, Entrepreneurship, and Business Administration. All of these courses are designed to help deliver a good or service to users/consumers, change behaviors, or influence ideas. Career opportunities in marketing can be found in all types and sizes of business. In the 21st century, economic survival in nearly any business setting or profession will depend on the ability to understand and execute business skills such as marketing. Marketing Education provides those skills.

Marketing I is intended for those who want to learn business operations and develop basic employment skills. I

Sports & Entertainment Management Elective:10 – 12
Full Year – 1 Credit
Vocational or Elective Credit can be applied to this class.
Prerequisite: Marketing Ed (7400)

Small Business Management 1 Elective: 10 – 12
Prerequisite: Marketing 1 (7400)

Small Business 1 for Small Business 2

COMPUTER SCIENCE

The Computer Science program at Helena High helps to prepare students for post-secondary education, either 2 or 4 year, by helping to develop students' programming, networking, and database skills

Computer Science (Java Programming) (up to 8 semesters)
Elective: 9 – 12 Semester .5 Credit
Optional 7 Semester Credits of Helena College Dual Credit or
4 Semester Credits of Carroll College Dual Credit

Oracle Database Design and Programming
Elective: 9 – 12 Full Year – 1 Credit

Cisco CCNA Routing & Switching Program
Cisco 1-Introduction to Networks
Elective: 9 – 12 Full Year – 1 Credit
Cisco 2-Routing Protocols
Elective: 10 – 12 Full Year – 1 Credit
Cisco 3-Switched Networks
Elective: 11 –12 Semester – .5 Credit
Cisco 4-Connecting Networks
Elective: 11 – 12 Semester – .5 Credit
Pathway: Information Technology—Programming and Software Development

For more information contact us:

Industrial Technology

Mr. Henry Begler, Carpentry
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Ms. Chris Thennis
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Be Involved • Be Respectful • Be a Graduate • Be Responsible

Huntley Project Public Schools

DREAM-BELIEVE-ACHIEVE

District/Central Office
Wes Coy - Dist Superintendent
Rita Huck – Business Manager
Marlene Krum – Act/Lunch Clerk
Guy Croy – Activities Director
Candi Zahller-Admin. Secretary

Building Principals/Secretaries
Clint Croy - Elementary
Frank Hollowell -Junior High
Mark Wandle -High School
Barb Reichert- HS Secretary
Julie Dandrea – JH Secretary
Karen Simpson-Elementary Secretary

Board of Trustees
Steve Erb– Chair
Clint Johannes – Vice Chair
Mark Jones – Trustee
Tim Ley – Trustee
Bob Crane - Trustee

Madame Chair and Members of the House Appropriations Committee:

CTE programs at Huntley Project provide an opportunity for students to gain vital skills that help them become college and career ready and better compete in a competitive marketplace. With decreased funding it is becoming more and more difficult to provide the quality and diversity needed for these programs. Significant increases in funding in this vital educational area would help us continue to provide a quality opportunity for students, as well as enhance and diversify our programs in all CTE areas. This would undoubtedly help us better prepare our students for entry into the career of their choice.

Kind Regards,

Wes Coy, Superintendent HP Schools

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