CTE COURSE TRACKS  Jan 2018 UPDATE

AGRICULTURE CLUSTER TRACKS

Animal Systems Track - Curr
Agriscience focuses on introducing students to technology related to the environment, food production, science, and agribusiness. Following this, animal science classes are based around learning the scientific principles and processes that are involved in animal physiology, breeding, nutrition, and care. Students can complete this track with a vet assisting class that includes a supervised internship. FFA competitions and activities are incorporated throughout the curriculum.

Natural Resources Track - Curr
Agriscience focuses on introducing students to technology related to the environment, food production, science, and agribusiness. Following this, natural resource classes introduce environmental studies focused on renewable and non-renewable resources, waste management, water quality, forestry, and wildlife. The classes focus on conservation methods and management as it progresses through semesters. FFA competitions and activities are incorporated throughout the curriculum.

ARTS/AV TECHNOLOGY CLUSTER TRACKS

Print Graphics Track (Graphic Design Based) - Luna
Classes are based around learning Adobe Photoshop, InDesign and Illustrator. Classes require good attendance as all work is done IN CLASS. Students will explore different print design concepts and make books, brochures, logos, posters, etc. Creative students that enjoy art or working with computers tend to do well in this class. Students need to be trustworthy with expensive equipment.

Digital Media Track (Movement Design Based) - Lair
Classes are based around learning Adobe Photoshop, Premier Pro, After Effects and Flash. Classes require good attendance as all work is done IN CLASS. Students will explore different video, graphics, audio, and animation design concepts. Students interested in broadcast journalism and that like to write and be creative do well. Students need to be trustworthy with expensive equipment.

Apparel Track - Berg
Covers the history of apparel and designers that have influenced the industry. Students learn basic sewing skills and about the different sewing tools. Students make bags, pillow cases, design clothing, etc.

BUSINESS AND MARKETING TRACKS

Business Management and Marketing Management - Nassif, Parks, Dunham
Students cover topics related to business, finance, law, and management; focuses on functions of business organization and management, marketing basics, and significance of business financial and risk management. Bus. law acquaints students with the basic legal principles common to all aspects of business and personal law.

Stand Alone Courses (Add ons to tracks)

MI21  Fashion Merchandising
BM10  Microsoft Word & Powerpoint
        (Honors option)
BM20  Excel & Access (H)
ARCHITECTURE/CONSTRUCTION CLUSTER TRACKS

Architecture Track - Nato
Classes are based around learning AutoCAD and Revit. Students learn basic drafting concepts and then apply them in later semesters to residential architecture concepts. Students need good geometry skills to be successful in these courses. Houses are designed in 2D and 3D throughout these courses. Classes require good attendance as all work is done IN CLASS.

IC61 Drafting 1 → IC62 H. Architecture Drafting 2 → IC63 H. Architecture Drafting 3

Interior Design Track - Berg
This class sequence integrates principles and elements of design into decorating and designing interiors for houses and businesses. Concepts are connected into cultural research. Learning about a variety of careers, along with building resumes is a huge part of the level 1 course. The class is focused around project-based learning.

FI51 Interior Design 1 → FI52 Interior Design 2 (H)

Carpentry Track - Robbins
Cores is an introductory course based on the safe use of hand and power tools. Students have the option to prepare projects that will align with performance profile objectives. Carpentry is based on the construction of residential homes. Students will be introduced to all the major framing systems of the home. They complete many hands-on projects.

IC00 Core and Sustainable Construction → IC21 Carpentry 1 → IC22 Carpentry 2

INFORMATION TECHNOLOGY CLUSTER TRACKS

Computer Engineering Track
Builds, troubleshoots, and maintains computers/printers and networks. Students learn the operating systems and how to maintain and build computers. Classes require good attendance as all work is done IN CLASS.

I121 Computer Engineering Technology 1 → I122 H. Computer Engineering Technology 2

Computer Programming
Introduces concepts of programming, writing software, and application development in a Visual Studio environment. Emphasis is on visual basic programming and user interface design. SAS Programming focuses on teaching the specific language and computer programming associated with SAS products. Students can take the SAS certification test after completing the course. A student must take a computer science class prior to taking the programming classes.

BP10 Computer Programming 1 → BP20 SAS Programming 1

HOSPITALITY AND TOURISM CLUSTER TRACKS

Foods - Beavers and Burt
The Foods 1+2 track is based around learning normal kitchen and cooking skills spanning from measuring, nutrition, to food preparation. Foods 2 Technology looks at the science behind the food we eat and focuses on health rather than just cooking techniques.

FN41 Foods 1 → FN42 H. Foods 2 - Enterprise

Culinary and Hospitality - Burt
The Culinary track is for the student that is interested in foods more as a profession. It covers sanitation, cooking technologies, baking, and menu building with business management concepts.

FH20 Intro to Culinary Arts & Hospitality → FH21 Culinary Arts and Hospitality 1 → FH22 Culinary Arts and Hospitality 2

YEARLONG CLASS

HUMAN SERVICES

Child Development Track - Beavers
This course introduces students to responsible nurturing and basic child development theory. Emphasis is on responsibilities of parents, readiness for parenting, and the influence of parents. After completing level 1 students move to Early Childhood where they get to work with preschool students and learn about early education.

FE60 Parenting and Child Development → FE11 Early Childhood Ed. 1 → FE12 Early Childhood Ed. 2 (H)

**YEARLONG COURSE or DOUBLE BLOCK

Student must be 16 and pass background check

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HEALTH SCIENCE CLUSTER TRACKS
Health Track - Worrell, Packett
This track begins with an overview of health systems, careers, legal and ethical issues, and medical methodology. After level one, the students cover health care systems, infection control, medical assistance skills, and bio medical research.

HU10  Health Team Relations
HU40  Health Science 1
HU42  H. Health Science 2

Recommended Health Team Relations OR Biology before taking Health Science 1, but not required.

LAW AND PUBLIC SAFETY CLUSTER TRACKS
EMT Track - Credle
Classes work through the EMT certification process. Focuses on life skills that you can use in every day life in the time of need. Great for anyone considering the medical field in the future.

IP21  EMT 1 (H)
IP22  EMT 2 (H)

Public Safety Track - Credle
Classes cover an overview of emergency management, fire, police, EMA, and communications at the federal, state, and local level. Public Safety 2 focuses on CERT (Community Emergency Response Training). Good prep for students interested in EMT.

IP11  Public Safety 1
IP12  Public Safety 2 (H)

STEM CLUSTER TRACK
Engineering Track - Benbow
Classes are based around learning AutoCAD and Inventor. Students learn basic drafting concepts and then apply them in later semesters to engineering/Product design concepts. Students need good geometry skills to be successful in these courses. Products are designed in 2D and 3D throughout these courses. Classes require good attendance as all work is done IN CLASS.

IC61  Drafting 1
IV22  Engineering Drafting 2 (H)
IV23  Engineering Drafting 3 (H)