

March 2, 2018

Go here to see sample files, etc:

1. <https://github.com/MrSmithManual/ClassProjects>
2. <https://github.com/MrSmithManual/ClassProjects2>

## Part 2 – Showcase Project

Create a website for the Manual Career and Technical Center

You can find information here : <https://www.kcpublicschools.org/mctc>

Your website:

- A homepage
- A separate page for each program
- Each page should describe the program
- Buttons or text links to navigate the website
- A “contact” page where interested parties can fill out a form. The completed form should be sent to : [arainey@kcpublicschools.org](mailto:arainey@kcpublicschools.org)
- Usage of video embedded in the page (video background is okay)
- Usage of audio embedded in the page
- Make sure mute/unmute and pause/unpause are options

Note : You can also make a video by using PowerPoint and saving as a MP4

The RawVideo file on in your HTML folder contains video files

The following page contains course descriptions

**VO 12120 AUTOMOTIVE COLLISION REPAIR (3.0)—MANUAL CAREER TECH CENTER ONLY** Prerequisite(s): Intro. To Automotive Technology – preferred Target Grade Level: 11-12 Students will acquire knowledge and skills used by auto collision technicians in the repair and refinishing of damaged vehicles. Instruction will involve classroom theory, demonstrations, and hands-on repair of practice panels and customer vehicles. Students will train on school-supplied tools and shop equipment using current technology. Successful completers of this program will be prepared for related entry level employment and/or continued education at the post-secondary level. I-CAR Certification Curriculum.

**VO 12113 AUTOMOTIVE TECHNOLOGY (3.0)—MANUAL CAREER TECH CENTER ONLY** Prerequisite(s): Intro. To Automotive Technology – preferred Target Grade Level: 11-12 Students will acquire knowledge, skills, and experience in the repair and maintenance of automobiles and light trucks. Efficient application and use of safe shop practices, tools and equipment is an important part of the training. Through classroom and live shop experiences, students will have an opportunity to learn entry-level skills needed in the repair and maintenance of cooling systems, brakes, steering and suspension, as well as engine performance. Successful completers of this program will be prepared for related entry-level employment and/or continued education at the post-secondary level. ASE Certification.

**VO12114 C++ and JAVA (3.0) – MANUAL CAREER TECH CENTER ONLY** 2.5 GPA Prerequisite(s) and B or better in Algebra 2 Target Grade Level: 11-12 This course is the C++ and Java programming languages. Using C++, the student will focus on structured programming techniques, proper program design and object-oriented programming techniques, proper program design and object-oriented programming concepts and skills. Topics include basic object-oriented programming, events, logic structures and simple input/output techniques. Using the Java programming language, the student will focus on structured programming techniques, proper program design and object-oriented programming concepts and skills. Students must have at least a 2.5 GPA and a B or better in Algebra 2 to enroll.

**VO12121 CONSTRUCTION TECHNOLOGY (3.0)—MANUAL CAREER TECH CENTER ONLY** Prerequisite(s): Introduction to Construction Technology – preferred Target Grade Level: 11-12 Students will acquire knowledge and skills such as safety, framing, roofing, hanging drywall, installation of interior and exterior trim, doors, and windows, blueprint reading and construction estimating. Model construction and on-site construction projects are used to provide students with Project-based experience using current tools, equipment, and materials. Students completing this program will be prepared for related entry-level employment and/or continued education at the post-secondary level. Career Connections Certification.

**VO12107 CULINARY ARTS (3.0)—MANUAL CAREER TECH CENTER ONLY** Prerequisite(s): Introduction to Culinary Arts (Prostart I) – preferred Target Grade Level: 11-12 Students will receive instruction and participate in project-based experiences in the fundamentals of safe and sanitary food handling and operation of a commercial kitchen. Students will use a variety of cooking methods to produce entrees, salads, desserts and other dishes. Students will become familiar with the different phases involved in the operation of a restaurant, including management of a kitchen and dining area. Successful completers of this program will be prepared for related entry-level employment and/or continued education at the post-secondary level. AAFCS Certification.

**VO12300 EMERGENCY MEDICAL TECHNICIAN (3.0)– MANUAL CAREER TECH CENTER ONLY** Prerequisite(s): 2.5 GPA and 90% or better attendance Target Grade Level: 12. This course is designed to take high school students with little or no medical background and teach them to work on an ambulance using Basic Life Support Measures. Students that successfully pass all requirements are eligible for apprenticeship with the Kansas City Fire Department. Students must have at least a 2.5 GPA and 90% or better attendance to enroll. NREMT Certification.

**VO12299 HEALTH SCIENCE (3.0)—MANUAL CAREER TECH CENTER ONLY** Prerequisite(s): Introduction to Health Care – preferred Target Grade Level: 11-12 Students will acquire knowledge and skills in core competencies including an introduction to the health care delivery system, human anatomy and physiology, medical terminology, infection control, human growth and development and interpersonal communication. During the required clinical experience, students work closely with professional staff providing project-based care and emotional support to residents in health care facilities. Prior to completion of the program, students will sit for the CNA exam and be prepared for entry level employment and/or continued education at the post-secondary level. CNA License.

**VO12110 INTRODUCTION TO ENGINEERING DESIGN (1.5)—MANUAL CAREER TECH CENTER ONLY** Prerequisite(s): Algebra I, Introduction to Computer Science and Game Design Target Grade Level: 10 Students will dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work. End-of-Course Exam.

**VO12111 PRINCIPLES OF ENGINEERING (PLTW) (1.5)—MANUAL CAREER TECH CENTER ONLY** Prerequisite(s): Algebra I, Geometry and Introduction to Engineering Target Grade Level: 11-12 Students will explore various technology systems and manufacturing processes to discover how engineers and technicians use math, science and technology in an engineering problem-solving process. The course addresses concerns about social and political consequences of technological changes. Emphasis is also placed on career possibilities in the field of engineering and engineering related technologies. This course is in the Project Lead the Way course sequence. End-of-Course Exam.

**VO10117 EDUCATOR PREPARATION PROGRAM (JUNIORS/SENIORS) (3.0) – MANUAL CAREER TECH CENTER ONLY** Prerequisite(s) 2.5 GPA and 85% or better attendance. This class is designed to expose students to the teaching profession. Students will participate in teacher practicums in KCPS elementary schools. Students will complete weekly journals and be evaluated at least once per quarter. Students must have at least a 2.5 GPA and 85% or better attendance to enroll. Dual credit is available. AAFCS Certification.