

NEWTECH Summer Academy 2017 Course Descriptions (Revised April 14, 2017)

AEROSPACE EXPLORATION ACADEMY 0.5 Credit This course is designed to expose the students to many of the possible careers in the aerospace industry as well as familiarize them with flight operations at Felts Field. **Location: Spokane Community College**

ADVANCED COSMETOLOGY 0.5 Credit (Session One Only/ For Current NEWTECH Cosmetology Students Only) Current NEWTECH Cosmetology students continue their preparation for licensing by the Washington State Board of Cosmetology. Students can earn 90 hours applicable to the 1400 hours of theory and practice required to receive a Washington State Hair Design certification.

COMPUTER APPLICATIONS 0.5 Credit Students will learn basic keyboarding skills while working in the Microsoft Office Suite, including Word, Excel and Power Point. These skills are used in most occupations.

INTRODUCTION TO ANIMATION and SPECIAL EFFECTS 0.5 Credit This exciting class will teach students camera basics, shooting, editing and production.

INTRODUCTION TO AUTOBODY REPAIR & DETAILING 0.5 Credit This hands-on class will provide you the basic principles and foundational skills in Auto body repair and detailing. Topics covered are: safety, tool identification and use, basic metal working and refinishing, and the basics of auto detailing.

INTRODUCTION TO BAKING 0.5 Credit Students are introduced to the fundamental concepts, skills, science and techniques of baking. Special significance is placed on ingredient functions, the baking process, utensils, equipment, and product identification as applied to baking. Food Handlers card is required by the end of the first week of class.

INTRODUCTION TO BASIC CAR MAINTENANCE 0.5 Credit This course introduces students to automotive service and repair. Automotive shop safety, use and care of tools, and automotive care procedures will be taught.

INTRODUCTION TO COMPUTER GAME DESIGN 0.5 Credit This course is ideal for game enthusiasts who want to understand how today's digital games and interactive experiences are created. Furthermore, it is an exciting and enjoyable experience for those who aspire to have a career in the video game industry as software engineers.

INTRODUCTION TO CONSTRUCTION TRADES 0.5 Credit Learn tool identification and basics of tool use, measurement and basic construction skills by designing and building a deck to develop skills. This is a great class for the beginning student to gain an understanding of the construction industry and learn skills to use around the house.

INTRODUCTION TO COSMETOLOGY (Second Session Only) 0.5 Credit This class provides an introduction to what cosmetology as a career has to offer in fashion and self-grooming techniques. Presentations include hair cutting, and styling. No hours, required for Washington State Hair Design certification, will be awarded/earned during this class.

INTRODUCTION TO CRIMINAL JUSTICE 0.5 Credit Through hands on training and experience, research based learning, and guest speakers you will learn how these groups work together to keep the public safe. You will learn how to respond to a variety of critical incidents and how to write a quality incident report to document and support your chosen course of action. As part of this course you will also be training to pass the fitness test required for entering these career fields through weight training and aerobic fitness activities.

INTRODUCTION TO CYBER SECURITY and COMPUTER NETWORKING 0.5 Credit

This class will introduce students to a career in the fast growing, high paying Cyber Security industry. Students will learn about computer hardware, networking and IT security. Guest speakers, field trips and hands on activities will create a fast paced learning environment.

INTRODUCTION TO DENTAL CAREERS 0.5 Credit Introduction to Dental Careers is designed to familiarize students with the various careers in the dental professions. Activities include field trips, guest speakers, and hands on experiences.

INTRODUCTION TO DIGITAL PHOTOGRAPHY and PHOTOSHOP 0.5 Credit This class will cover the basics of digital camera use and the Adobe Photoshop design program for enhancing and editing photos as well as design layout. Some projects will include: photo montages, photo retouching, designing magazine covers, and creating awareness posters.

INTRODUCTION TO FOOD & FITNESS 0.5 Credit Students will learn how everyday foods and the latest exercise trends can help maintain a healthy body weight and enjoyable lifestyle. Course time is divided between the foods lab and fitness lab. In the foods lab, students will learn how to eat healthy and prepare easy, quick, low calorie foods and in the fitness lab students will focus on vigorous aerobic and strength activities.

INTRODUCTION TO HEALTH CAREERS 0.5 Credit Explore the many career options in one of the fastest growing occupations. This is an action packed class with many guest speakers and fieldtrips.

INTRODUCTION TO MANUFACTURING 0.5 Credit

Students will learn basic 3-D modeling and how to make their drawings come to life through a 3-D printer, computer operated milling and machining equipment. The focus will be on the hi-tech world of today's manufacturing including consumer products, aerospace, automotive and food processing industries.

INTRODUCTION TO WELDING TECHNOLOGY 0.5 Credit This class will introduce students to 25 beginning weld positions using E6010 and E7018 electrodes. Course progression is based on passing competency tests.

INTRODUCTION TO VETERINARY ASSISTING 0.5 Credit This course offers an engaging and fun way for high school students to learn more about the veterinary profession. Students learn the basic skills in animal care and explore animal-related careers. This class introduces basic skills and instruction in animal behavior, breeds and species, basic animal anatomy, restraint and handling, feeding/nutrition, animal grooming, facility maintenance and cleaning, and workplace readiness.