

Complementary Course Descriptions

CAREER & TECHNOLOGY FOUNDATIONS (CTF)

2017-18 School Year



Grade 7

CTF 7 Construction

In this course students will learn about the safety hazards and proper uses of several hand tools, as well as the scroll saw, drill press, combination sander, and drum sander. The main project we will be working on will be a Piggy Bank in which the student will choose the design. The only requirement is that it must have a piece of plexi-glass so that the money in it will be visible. Depending on the skill level and time management of the student, they may have a chance to create another small project such as a Fidget Spinner or Pencil Holder.

CTF 7 3D Design

In this course students will learn about the safety hazards and proper uses of several hand tools, as well as the scroll saw, drill press, combination sander, and drum sander. This course may be considered a continuation of CTF 7 but can be taken independently. Students will learn to use the 3D printer, as well as the design software associated with it. The main project in this course will involve both woodworking and the use of the 3D printer, with students designing and creating a project that involves both mediums.

Computer 7

Students will be introduced to the important and exciting world of computer coding. Computer coding is and will continue to be an essential skill in our technologically advanced world. In this course students will work with the program "Scratch" to create a simple arcade video game as well as an animation story.

Fashion 7

In Textiles and Fashion students will explore basic knitting, hand stitching and machine sewing. Students will need to be creative and demonstrate initiative as they investigate

techniques to design several projects. Projects will include knitting, up-cycling, needlework, quilting and design challenges. Students may also have the opportunity to design, create and donate work as well.

Foods 7

Are you interested in cooking? Would you like to learn some basic recipes? In this option, you will learn some important information about kitchen and food safety. In small groups, you will be responsible for reading recipes and preparing food items like smoothies, muffins, cookies, grilled cheese and many more. When your group is not cooking, you will be creating your own menu full of delicious items! Come join us for some fun and learning!

Advanced Foods 7

Did you love Foods first term? Do you want to learn more? In this class, we are going to take it up a notch and learn more complicated recipes. We will learn about knife safety so you can use knives to make even more interesting dishes. Some recipes include chicken alfredo, pizzas, scones and many more. See you there!

Multimedia- 7

The goal of Multimedia is for students to combine different content forms of media such as text, audio, animation and images to produce a variety of different projects. Students will be challenged to use their creativity to produce a variety of projects including life biography videos, stop motion, photography, advertisements and iMovie trailers.

Photography- 7

In Photography students will be challenged to critically examine photos for technical skill and artistic qualities in order to create visual art. We will explore the digital camera and its capabilities while considering light, composition, photo editing and enhancing. Students will explore these elements while completing project-based assignments.

Sports Excellence- 7

In Sports Excellence 7 students will enhance their athletic skills through fitness and conditioning. Throughout the semester, students will have to plan, prepare and respond to challenges through an active lens. They will also work together and improve team dynamic skills. The challenges students face will be incorporated in a variety of activities including sports, games and active lifestyle activities. Students will evaluate the impact of confidence, emotions, self-awareness, rest and relaxation to improve performance. Lastly, students will examine the impact of perspective and identity on athletes.

Grade 8

Business and Enterprise 8

Who wants to be a millionaire? Better question, who doesn't? Are you ready to start wheelin' and dealin'? Business and Enterprise is a place to learn financial literacy in a challenge-based environment. We will be covering a variety of topics within the business environment including: calculating profit margins, calculating profit or loss, interest payments, loans and revenue streams. This course will include many game based challenges and culminate in a six week stock market challenge with \$100 000 of fake money, through the Investment Strategies Program put on by Junior Achievement.

CTF Construction 8

In this course students will learn or review the safety hazards and proper uses of several hand tools, as well as the scroll saw, drill press, combination sander, drum sander, and band saw. The first project we will create is a Clock. I will provide the motor with hands, but other than that the student will have free reign on their design. The second project will be a Phone/iPod Speaker. There are many different designs possible, as long as it acts as a dock that amplifies the sound. Depending on the skill level and time management of the student, they may have a chance to create another small project such as a Sign using reclaimed wood. There are many options such as a motivational sign, bedroom door sign, cabin sign, etc.

CTF 3D Design 8

In this course students will learn about the safety hazards and proper uses of several hand tools, as well as the scroll saw, drill press, combination sander, and drum sander. This course

may be considered a continuation of CTF 8 but can be taken independently. Students will learn to use the 3D printer, as well as the design software associated with it. The main project in this course will involve both woodworking and the use of the 3D printer, with students designing and creating a project that involves both mediums.

Foods 8

Are you interested in exploring the culinary world? Come take Foods 8! In this course you will learn basic kitchen safety that you can use in your own house or in the culinary industry. There will be a wide variety of things we cook but there will be some knowledge, theory, and research involved as well. Students will learn about both budgeting and meal planning at home, cooking in the culinary industry, as well as nutrition. All students must pass a safety test before being able to cook delicious food. After taking this course, students will be more confident in their ability to cook meals for families, apply for jobs in restaurants, and follow a variety of recipes.

Advanced Foods 8

Did you love Foods first term? Do you want to learn more? In this class, we are going to take it up a notch and learn some more complicated recipes. We will learn about knife safety so you can properly use knives to make even more interesting dishes. Additionally, students will look to create and plan a meal that they will prepare for the whole class during a “potluck” event, creativity and cultural influences in this meal planning are encouraged. See you there!

Sports Excellence 8

In Sports Excellence 8 students will enhance their athletic skills through fitness and conditioning development. Throughout the semester students will have to plan, prepare and respond to challenges through an active lens. As well, work together and improve team dynamic skills. The challenges students face will be incorporated in a variety of activities including sports, games and active lifestyle activities. Students will evaluate the impact of confidence, emotions, self-awareness, rest and relaxation to improve performance. Lastly, students will examine the impact of perspective and identity on athletes.

Grade 9

CTF Construction 9

In this course students will learn or review the safety hazards and proper uses of several hand tools, as well as the scroll saw, drill press, combination sander, drum sander, band saw, and table router. The first project we will create is a game called 'SWING THE RING'. I will provide the ring and hook, but other than that the student will have free reign on their design. The second project we will create is a Longboard/Skateboard/Pennyboard Deck where students will have the option of creating a design on the bottom of their board. The board could be hung in a room as a decoration, or you could buy some grip tape, trucks, and wheels and be able to ride your board! Depending on the skill level and time management of the student, they may have a chance to create another small project.

CTF Construction 9 Advanced

Students who took CTF 9 in term 1 will have a chance to take it again in term 2. In this course, students will be building an Adirondack chair. Critical thinking, attention to detail, and the ability to follow instructions correctly will be needed as this project will take an entire term of hard work to complete.

Foods 9

Are you interested in exploring the culinary world? Come take Foods 9! In this course you will learn basic kitchen safety that you can use in your own house or in the culinary industry. There will have a wide variety of things we cook but there will be some knowledge, theory, and research involved as well. Students will learn about both budgeting and meal planning at home, cooking in the culinary industry, as well as nutrition. All students must pass a safety test before being able to cook delicious food. After taking this course, students will be more confident in their ability to cook meals for families, apply for jobs in restaurants, and follow a variety of recipes.

Advanced Foods 9

Did you love foods the first term? Do you want to learn more? In this class we are going to step it up a notch and learn more complicated recipes. As well, we will look at various cultures from around the world in relation to food. Once students have become familiar with the

culture's history, they will create a food product from that culture. Students will also have to plan a meal from a culture studied and prepare it for the class as a final project.

Leadership 9

Students will develop their leadership skills and abilities in the classroom, the school, and the larger community. They will work collaboratively with their peers and staff to plan and run a variety of events within the school, take part in various volunteering opportunities, and take the lead on different charitable events at the school. Students wanting to sign up for leadership should consistently develop SPIRIT at school and be a strong role model for others. Please note, this is a full year option and in addition to selecting this option student applications will be considered for placement.

Publishing 9

In Publishing 9, students will enhance their creative skills in writing, art, design and photography. As well, students will have to formulate questions to interview teachers, students and the community about the latest current event. Using the photos, interviews and student work they have captured throughout the year, students will then create a monthly Nose Creek School newspaper and Nose Creek's 2017-2018 Yearbook!!

Sports Excellence 9

In Sports Excellence 9 students will enhance their athletic skills through fitness and conditioning development. Throughout the semester students will have to plan, prepare and respond to challenges through an active lens. As well, work together and improve team dynamic skills. The challenges students face will be incorporated in a variety of activities including sports, games and active lifestyle activities. Students will evaluate the impact of confidence, emotions, self-awareness, rest and relaxation to improve performance. Lastly, students will examine the impact of perspective and identity on athletes.

Tourism 9

Tourism 9 is an exciting option that allows students to look at the impact of tourism in Alberta and around the world as well as to develop the knowledge and skills required for the tourism industry. Possible topics include what characteristics make a place become tourist destination, different kinds of tourism, tourist attractions and why people travel the world. Students will be

using their creative skills to produce city skylines, travel brochures, passports and research incredible destinations in the world. Creativity and an interest in the world will be an asset!