

**LAKE CITY**

**Lake City Secondary  
Columneetza Campus**

**Student Programming  
Handbook 2018-2019**

**GRADE 9**

[www.lakecitysecondary.com](http://www.lakecitysecondary.com)

**FALCONS**

# Grade 9

## Required Credits

- English 9
- Mathematics 9
- Physical Education 9 – PE 9 or Hockey 9
- Science 9
- Social Studies 9

## Languages

- Carrier 9
- Chilcotin 9
- French 9
- Shuswap 9

## Electives

### **Outside the Timetable**

- Jazz Band 9
- Tour Band 9

### **Term Courses**

- Baking 9
- Ceramics & Sculpture 9A
- Ceramics & Sculpture 9B
- Computer Coding 9
- Cooking 9
- Drafting 9A
- Drama 9A
- Drawing & Painting 9A
- Drawing & Painting 9B
- Film & TV 9A
- Leadership Yearbook 9 (could be 1 or more terms)
- Mechanics 9A
- Metal Work 9A
- Robotics 9
- Sewing 9
- Woodwork 9A
- Woodwork 9B

### **Semester Courses**

- Beginning Guitar 9
- Concert Band 9
- Foundations of Math & Pre-Calculus 10 (2<sup>nd</sup> semester)

## **CORE COURSES**

### **English 9**

### **Mathematics 9**

### **Mathematics 9 Essentials**

This course is developed for students who had challenges with the Math 8 curriculum.

### **Physical Education 9**

### **Hockey 9**

Course Fee: Standard program - \$150.00: \$60 pays for transportation costs; \$90 covers the uniform, licensing and registration, insurance, and teaching equipment (pucks, cones, etc.).

Competitive program - \$150.00 plus additional \$250 Total Ice coach/facility fee.

### **Science 9**

### **Social Studies 9**

## **LANGUAGES: Highly recommend for Post-Secondary entrance requirements**

### **French 9**

### **Carrier 9**

### **Chilcotin 9**

### **Shuswap 9**

**\*\*FRENCH IMMERSION STUDENTS\*\***

**PLEASE CHECK OUT THE LAST PAGE OF THE BOOKLET**

## **ELECTIVES – APPLIED SKILLS/FINE ARTS**

### **JAZZ BAND 9**

This is a course for students that have a passion for jazz, big band, rock, and funk style music. The course is open to students in grades 9 - 12, as well as advanced grade 8 students. This is a 4 credit course that is offered as an “X” block, which means that it occurs 2 times a week, once before school in the morning, and once after school. Rehearsal times will be decided by the members involved to best accommodate everyone’s schedules. This is a performance-based course with emphasis on listening, performance, travel, and teamwork. Recommended instruments in this group include alto saxophone, tenor saxophone, baritone saxophone, flute, trumpet, trombone, electric or stand-up bass, guitar, piano, percussion, and drum kit. It is important that guitar players have a basic understanding of bar chords, can identify note names on their guitar, and are interested in playing big band/swing style as well as rock, funk and latin. Students will learn how to listen to and play a variety of styles, and will understand the concept of soloing and improvisation. Students will also experience an introduction to the set up and basic functions of a sound system. Students interested in only running sound at rehearsals and concerts, and not performing with the band are also welcome to join jazz band for credit. Although practice is not enforced through practice records, it is essential that all jazz band members commit to practicing a minimum of 1 hour a week outside of regular rehearsal.

### **TOUR BAND 9**

Tour Band is a concert band that meets outside the time table – Wednesday 3:30-5:00pm (and occasional Mondays 3:30-5:00pm). Tour Band is open to all Band Students in grade 8-12 who are enrolled in the concert band at their grade level (Grade 8 Band, Grade 9 Band, Grade 10 Band, Grade 11/12 Band). Travel is a component of the group, but it is **NOT** required. This is an opportunity that allows the older students to mentor the younger students. We play concert marches, Lyrical Pieces, pop/musical/movie pieces as well. Students will be challenged, while playing concert band standards, while having fun playing non-traditional pieces.

## **BEGINNING GUITAR 9**

Are you interested in learning how to play guitar? Then this course is for you! Beginning Guitar is for those who have never played or have had up to one year of experience on guitar. We will be going through the basics of note reading, basic chord structure and how to read tab. You will have the opportunity to learn and perform songs as well as composing your very own song which will allow for students to understand how a song is built and to be creative. 0-1 year experience on guitar

## **CONCERT BAND 9**

It is important that you have a basic understanding of notation and music reading skills to be successful in the course. Recommended instruments in this course include flute, oboe, clarinet, alto and bass clarinet, alto, tenor and baritone saxophone, all brass instruments, percussion and electric bass. Guitar players who can read music are welcome to join, but it is important to know that concert band music does not involve a lot of chording, mostly picking out the melody. We will be covering more advanced music of many styles like marches, program pieces, pop music and music from other cultures. We will also continue with theory concepts, music history, and composition, including small group projects using Garage Band. Students who want to continue making music, understand sophisticated styles, and have an exciting time are welcome in this band. Performance and travel are involved.

## **BAKING 9**

This section focuses on baking, including muffins, cakes, cinnamon rolls and much more. Safe food preparation techniques and healthy food choices are a part of the course while you bake a selection of tasty treats.

## **CERAMICS & SCULPTURE 9A**

In this course we will work with clay to create sculptures, we will carve plaster, as well as make squirrel feeders using principles from interior decorating. Students will work with different ideas for each art material and be encouraged to develop their own style. We will study some art history and some rules for creating art along the way. If we're lucky, we may also get to create some large-scale decorations for a school dance.

## **CERAMICS & SCULPTURE 9B**

This class is designed to be completely separate from Ceramics & Sculpture 9A. In part B we will work with the pottery wheel to make bowls, we will hand-build a mug, we will carve either a leaf or an old forest spirit from wood, and we will create an animal/monster face from papier-mache. We will study some art history and some rules for creating art along the way. Once again we can hope that leadership will ask us to make some big decorations for a dance.

## **COMPUTER CODING 9**

In this course, students enter the world of computer science by learning how to create animations, the basics of coding, and introductory robotics. The focus of this course will be to introduce students to the basics of several computer concepts and applications including: coding for basic animation, introductory visual coding using icons and blocks (code.org), full text-based coding languages (Python, JavaScript), and culminating in connecting coding to basic robotics. No previous programming skills are required, but students should be comfortable using a computer and browser, and managing files. Students are expected to be familiar with standard computer operations (e.g., login, cut & paste, email attachments, etc.). This course is highly recommended for those students interested in taking Robotics and other computer-related courses.

## **COOKING 9**

This section focuses on safe food preparation techniques that will have students preparing light meals and healthy snacks including soup, pasta, perogies and more.

## **DRAFTING 9A**

This course introduces students to the concepts of design and visual communication by developing skills in technical drawing. As an exploratory course, many areas will be covered including sketching, modeling, 2D and 3D drafting, AutoCAD, and **3D Printing**. Students will become familiar with mechanical drawings, architectural design and gain other skills that can be transferred to many other areas of design. These skills will assist your development in senior Technology courses. If you are interested in design, engineering, fashion, construction and the trades, this course will develop an excellent set of skills for many career and life choices.

## **DRAMA 9A**

“PLAY” is the one thing.” This course continues from Gr. 8 drama, with theatre “games”, used to break down physical and mental barriers to creativity. Students will work to develop relationships built on trust, communication and teamwork. Emphasis is on discovering self-confidence and individuality. Attendance, attitude and “trying”, are as valued as “talent”. Students will then begin to learn specific acting skills such as: relaxation, movement, voice, improvisation, character building, and scene study. Students will work with and perform for their classmates daily, and there may be opportunity to perform for an outside audience in a one-act play at the end of the term

## **DRAWING & PAINTING 9A**

This course is designed for those with an interest in two dimensional artwork (drawing, painting, and print-making). D&P 9A will focus on painting with acrylics, using simple machines to paint for us, learning to create great depth in drawings with charcoal, and hopefully creating some batik art (fabric dying). We will study some art history and some rules for creating art along the way.

## **DRAWING & PAINTING 9B**

D&P 9B is completely separate from part A. We will work with inks and a printing press to create bold and intense prints, and watercolour paints to study a fast and beautiful way to create images. We will explore new techniques, materials, and tools for creating fun and funny collages, and chalk pastels for blending vibrant and subtle portraits. We will study some art history and some rules for creating art along the way.

## **FILM & TELEVISION 9A**

This course is designed for people who want to learn how to film and how to edit footage into something that looks great. Projects may include stop-motion animation, commercials, interviews, short dramas, music videos, and news stories. You will also learn the basics of lighting, and microphones for films. The computer software starts very easy and progresses into programs you could use professionally. And of course we will study classic movies and TV shows and discover some of the features that made them classics that they are.

## **MECHANICS 9A**

This course looks at the different aspects of power and energy within technology. In the past we looked at structures (scale building bridges and load testing), Medieval siege weapons (creating a small trebuchet and launching small rocks at a set target at distance), Crash test dummies (create a gravity car that holds an egg, and must withstand a crash into a wall), Air propelled vehicles (build a CO<sub>2</sub> vehicle and compete against other classmate), Basic engine theory (an introduction to the basic 4 cycle and 2 cycle engine). **Students enrolled in any Mechanics course should be prepared to supply their own coveralls.**

## **METALWORK 9A**

Students will have FUN learning all the basics of cutting, machining, welding, and finishing metals, while building projects safely and effectively. Projects may include, tool trays, ARC welded logs, and whistles.

## **ROBOTICS 9**

This course will involve students in the development, building and coding/programming of a 3D printed robot. Additionally this course will introduce the student to basic programming as well as problem solving strategies. Students will work hands-on in teams to design, build, program and document their progress. The course will consist of introductions into the basic principles of engineering, physics, electronics, mechanics, and computer programming. While building the robots, students will learn the function of basic electronics.

## **SEWING 9**

Students will start with sewing sleep pants to expand on the skills learned in Sewing 8. Students then go on to make projects of their choice using commercial patterns. Techniques covered will include pockets, zippers and students may choose to make crafts as well.

## **WOODWORK 9A**

## **WOODWORK 9B**

Our school has a fully-equipped wood working shop with a variety of power and hand tools. Woodwork 9 covers basic woodworking skills, joinery techniques, and a thorough woodwork safety orientation. Projects include the tote box, the pirate box, the cabinet and the coat rack.

## **OTHER SELECTED STUDIES**

### **LEADERSHIP/YEARBOOK 9**

This course provides students with the opportunity to begin to develop leadership and yearbook production skills. Although all students in the course will receive general instruction on leadership, communication, teamwork, organization, conflict management, photography, copy writing, graphic design, page layout, advertising, and distributing, students will also have the opportunity to focus their development within the area that interests them the most. **You can select this course for one, two, three, or four terms.**

### **FOUNDATIONS OF MATH & PRE-CALCULUS 10**

**This course will be offered 2<sup>nd</sup> semester only. You can select this course by using 2 of your elective choices and by completing Math 9 in 1<sup>st</sup> semester. Must have parent and teacher/ administration permission.**

This course will prepare students to follow either the Foundations pathway or the Pre-calculus pathway in grade 11. Topics include measurement (linear, surface area and volume; and conversions) using imperial and SI units of measure, primary trigonometric ratios (sine, cosine, tangent), algebraic reasoning and number sense (factoring, roots, irrational numbers, powers with integral and rational exponents, polynomials), graphing (linear relations and systems, relations, functions).

### **FRENCH IMMERSION 9 PROGRAM**

Instruction is in French and students are expected **to speak French at all times** in the French Immersion classes. The French Immersion courses follow the same curriculum as the equivalent courses in English. Students still enroll in English 9, 10, 11, and 12, as the Français Langue courses do not replace them.

#### **Required Courses:**

English 9

Math 9

Sciences Humaines 9

Sciences 9

Physical Education 9 or Hockey 9

Art Visuels 9