


Course Syllabus (Grades 10-12)



This syllabus provides an overview of courses offered in School District 8 (Kootenay Lake). Courses are listed with a short description. School-based course lists are available on the international website, school pages:

<https://international.sd8.bc.ca/>

Grade 10 Courses

1. English Language Arts 10

Students choose from options such as Composition, Creative Writing, Literary Studies, New Media, or Spoken Language to enhance their reading, writing, and communication skills.

2. Mathematics 10

- **Workplace Mathematics 10:** Focuses on practical mathematical skills for everyday life.
- **Foundations of Mathematics and Pre-Calculus 10:** Prepares students for academic pathways requiring higher-level mathematics.

3. Science 10

Covers foundational topics in biology, chemistry, physics, and earth sciences with a focus on sustainability and scientific inquiry.

4. Social Studies 10

Explores Canada's history and society from 1914 to the present, including global issues and the impact of political ideologies.

5. Physical and Health Education 10

Emphasizes physical literacy, mental well-being, and healthy decision-making through diverse physical activities.

6. Career Life Education 10

Introduces students to career exploration, personal planning, and skills for future success.

Electives:

- **Arts Education:** Courses in Dance, Drama, Music, and Visual Arts.
- **Applied Design, Skills, and Technologies (ADST):** Introduction to areas like Business Education, Textiles, Information Technology, and Woodwork.
- **Languages:** Beginner and intermediate courses in French and Spanish

Grade 11 Courses

1. English Language Arts 11

Options include Composition, Literary Studies, Creative Writing, New Media, or Spoken Language. Each focus on refining literacy and critical thinking.

2. Mathematics 11

- **Workplace Mathematics 11:** Develops applied math skills for various careers.
- **Foundations of Mathematics 11:** Prepares students for post-secondary programs in the arts or social sciences.
- **Pre-Calculus 11:** Prepares students for calculus and science-related programs.

3. Science 11

- **Life Sciences 11:** Examines ecosystems, cells, and evolution.
- **Chemistry 11:** Explores atomic theory, chemical reactions, and the periodic table.
- **Physics 11:** Covers motion, forces, energy, and waves.
- **Earth Sciences 11:** Focuses on geological processes and Earth's history.
- **Environmental Science 11:** Examines human impact on ecosystems.

4. Social Studies 11

- **Explorations in Social Studies 11:** Provides an overview of multiple social studies disciplines.
- **20th Century World History 11:** Examines major global events and trends of the 20th century.
- **Human Geography 11:** Studies human-environment interactions and global issues.
- **Law Studies 11:** Introduces Canadian law and legal systems.
- **Social Justice 11:** Explores social inequities and global movements for justice.

5. Career Life Connections 11

Focuses on continued career exploration and personal development.

Electives:

- **Arts Education:** Advanced Dance, Music Composition, Drama, or Studio Arts.
- **ADST:** Specialized courses in Digital Media, Robotics, Culinary Arts, and Entrepreneurship.
- **Languages:** Intermediate and advanced courses in French and Spanish

Grade 12 Courses

1. English Studies 12 (Required)

A comprehensive course to develop advanced reading, writing, and analytical skills for post-secondary readiness.

2. Mathematics 12

- **Workplace Mathematics 12:** Practical math for workplace settings.
- **Foundations of Mathematics 12:** Topics in logic, probability, and financial literacy for non-science pathways.
- **Pre-Calculus 12:** Prepares students for calculus and higher-level mathematics.
- **Calculus 12:** Focuses on limits, derivatives, and integrals for university-level programs.

3. Science 12

- **Anatomy and Physiology 12:** Detailed study of the human body.
- **Chemistry 12:** Advanced exploration of chemical processes.
- **Physics 12:** Examines mechanics, electricity, and magnetism.
- **Earth Science 12:** Studies Earth's physical features and natural resources.
- **Environmental Science 12:** Investigates environmental challenges and solutions.

4. Social Studies 12

- **Comparative Cultures 12:** Explores world cultures and traditions.
- **Genocide Studies 12:** Analyzes historical and contemporary cases of genocide.
- **Law Studies 12:** In-depth examination of Canadian and international legal systems.
- **Philosophy 12:** Introduces critical thinking, logic, and ethical reasoning.
- **Political Studies 12:** Examines political systems and ideologies.

5. Career Life Connections 12 (Required)

Students finalize career plans and complete a Capstone Project showcasing their learning.

Electives:

- **Arts Education:** Advanced courses in Theatre Production, Music Theory, or Visual Arts.
- **ADST:** High-level courses in Engineering, Computer Programming, or Hospitality.
- **Languages:** Advanced proficiency courses in various languages.

Elective Courses (Grades 10-12)

This section provides descriptions of elective courses offered at School District 8. Electives are designed to allow students to explore their interests, develop new skills, and prepare for diverse post-secondary pathways.

Arts Education

- 1. Dance**
Focuses on movement, choreography, and performance, enabling students to express themselves through a variety of dance styles.
 - 2. Drama**
Explores acting, improvisation, and theatre production, helping students build confidence and creative communication skills.
 - 3. Music**
Covers areas such as instrumental performance, vocal training, composition, and music theory, fostering technical and creative musical abilities.
 - 4. Visual Arts**
Includes drawing, painting, sculpture, and mixed media, encouraging artistic expression and technical skill development.
 - 5. Theatre Production**
Focuses on backstage elements of theatre, including set design, lighting, sound, and stage management.
 - 6. Media Arts**
Offers opportunities to create digital artwork, animations, and videos, blending technology with artistic expression.
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Applied Design, Skills, and Technologies (ADST)

- 1. Business Education**
Introduces principles of entrepreneurship, marketing, finance, and business management, preparing students for the corporate world.
- 2. Textiles**
Focuses on sewing, fabric design, and fashion, offering students practical skills in crafting and creative expression.
- 3. Culinary Arts**
Provides hands-on training in cooking, baking, and kitchen management, emphasizing nutrition and food safety.
- 4. Digital Media**
Covers graphic design, video editing, and multimedia production using industry-standard software.
- 5. Woodworking**
Teaches the fundamentals of carpentry, including design, safety, and tool use, to create functional and artistic wood products.

6. **Robotics**

Explores programming and designing robots, incorporating electronics, mechanics, and computer science.

7. **Entrepreneurship**

Guides students through creating business plans, launching ventures, and understanding market dynamics.

8. **Media Design**

Focuses on user-centered design, developing websites, and interactive content for real-world applications.

Languages

1. **French**

Focuses on speaking, reading, writing, and listening skills in French, fostering cultural awareness and communication.

2. **Spanish**

Develops conversational and grammatical proficiency in Spanish, with an introduction to Hispanic

Additional Electives

1. **Fitness and Conditioning**

Emphasizes physical training, strength building, and personal fitness planning for lifelong health.

2. **Leadership**

Develops leadership and team-building skills through projects, mentorship, and community service activities.

3. **Outdoor Education**

Focuses on skills for outdoor activities like hiking, camping, and navigation, promoting environmental stewardship.

4. **Photography**

Covers camera techniques, editing, and visual storytelling through digital or traditional photography.