

# ALBERTA HIGH SCHOOL DIPLOMA REQUIREMENTS

The requirements indicated in this chart are the minimum requirements for a student to attain an Alberta High School Diploma. The requirements for entry into postsecondary institutions and workplaces may require additional and specific courses.

## 100 Credits

***Including the following:***

**English Language Arts - 30 Level (5 credits)**  
*(English Language Arts 30-1 or 30-2)*

**Social Studies - 30 Level (5 credits)**  
*(Social Studies 30-1 or 30-2)*

**Mathematics - 20 Level (5 credits)**  
*(Pure Mathematics 20, Applied Mathematics 20 or Mathematics 24)*  
*(Math 20-1, Math 20-2 or Math 20-3)*

**Science - 20 Level (5 credits)**  
*(Biology 20, Chemistry 20, Physics 20, Science 20 or Science 24)*

**Physical Education 10 (3 or 5 credits)**

**Career and Life Management (3 credits)**

## 10 Credits in any combination from:

**Career and Technology Studies (CTS)**

**Fine Arts**

**Second Languages**

**Physical Education 20 and/or 30**

**Locally developed/acquired and locally authorized courses in CTS, Fine Arts, Second Languages, K & E Occupational Courses or IOP Occupational Courses**

**Knowledge and Employability**

**Registered Apprenticeship Program Courses**



These complementary courses are not included in this category:

Film Studies, Creative Writing and Publishing, Psychology, Sociology, Anthropology, World Religions  
 Environmental Science.

## 10 Credits in any 30-level course

***(in addition to a 30-level English Language Arts  
 and a 30-level Social Studies course as specified above)***

***These courses may include:***

***30-level locally developed/acquired and locally authorized courses***  
***3000 series, advanced level, in Career and Technology Studies courses***  
***30-level Work Experience***  
***30 level Knowledge and Employability course***  
***35-level Registered Apprenticeship Program***  
***30-level Green Certificate Specialization***  
***Special Projects 30***

# ALBERTA CERTIFICATE OF HIGH SCHOOL ACHIEVEMENT REQUIREMENTS

The requirements indicated are the new minimum requirements for a student to attain an Alberta High School Certificate of Achievement. The requirements for entry into post-secondary institutions and workplaces may require additional and specific courses.

## 80 Credits

**Including the following:**

**English Language Arts 20-2 or 30-4**

**Social Studies 10-2 or 20-4**

**Mathematics 10-3 or 20-4**

**Science 14 or 20-4**

**Physical Education 10 (3 credits)**

**Career and Life Management (3 credits)**

## 5 Credits in

**30-level Knowledge and Employability occupational course or  
30-level Career and Technology Studies (CTS) course, or  
30 level locally developed course with an occupational focus**

**AND**

## 5 Credits in

**30-level Knowledge and Employability Workplace Practicum course, or  
30-level Work Experience course, or  
30-level Green Certificate course**

**OR**

## 5 Credits in

**A 30-level Registered Apprenticeship Program (RAP) course**

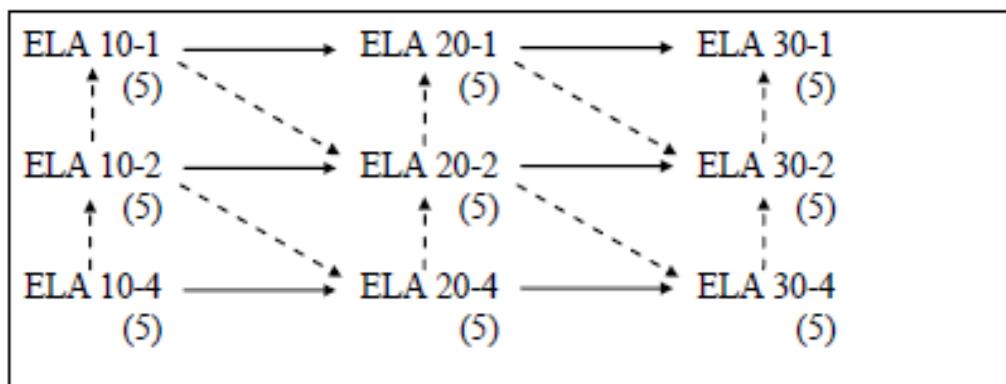
**To qualify for a Certificate of High School Achievement, students must be enrolled in a minimum of one academic Knowledge and Employability course.**

**To transition to the new Certificate of High School Achievement, 36-level IOP Occupational courses may be used in lieu of 30-4-level Knowledge and Employability Occupational Courses.**

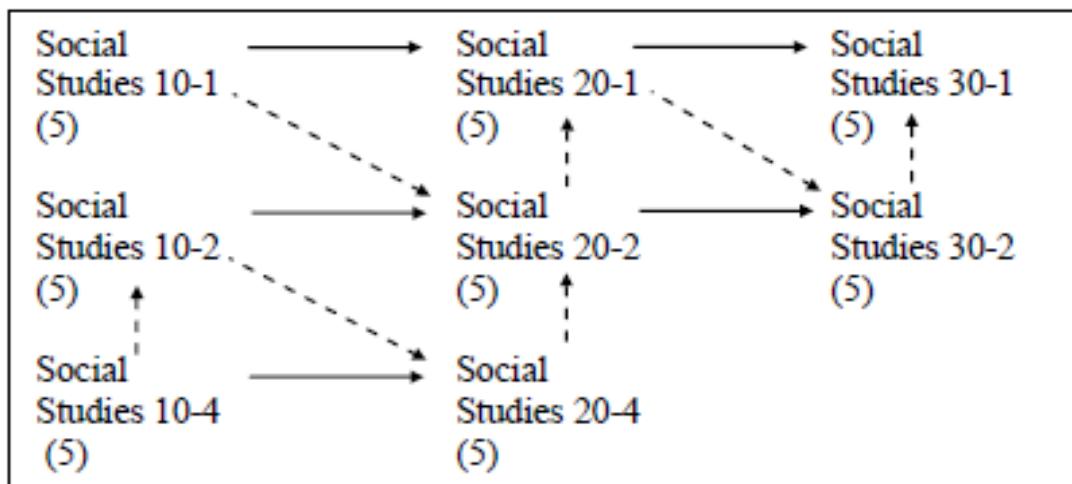


# Recommended Transfer Points & Course Sequences for Senior High School

## English Language Arts (ELA) Program

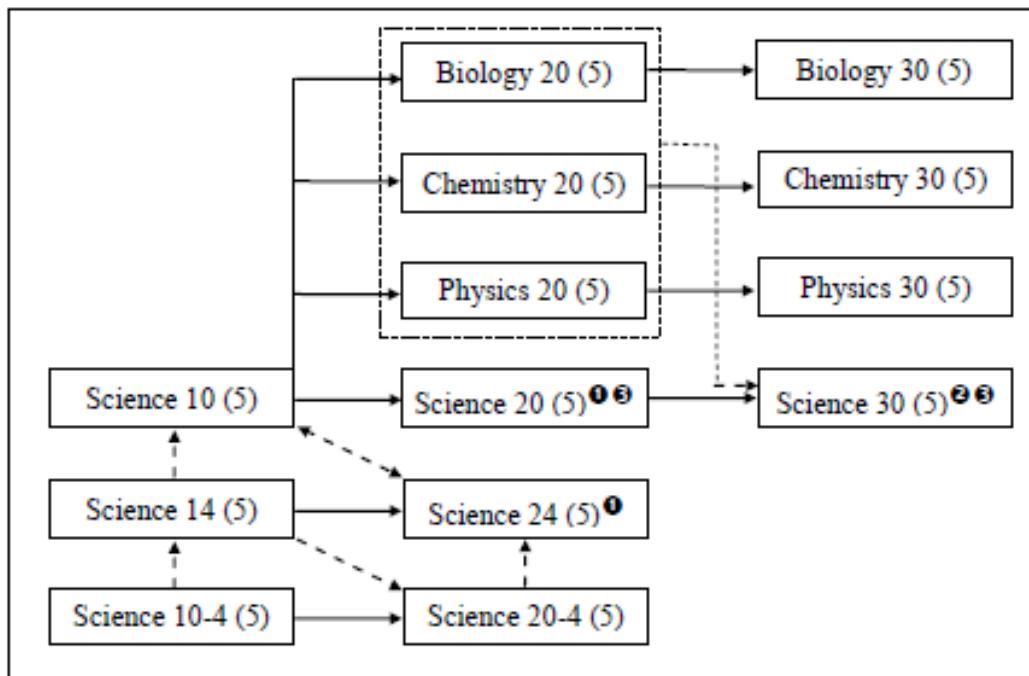


## Social Studies Program



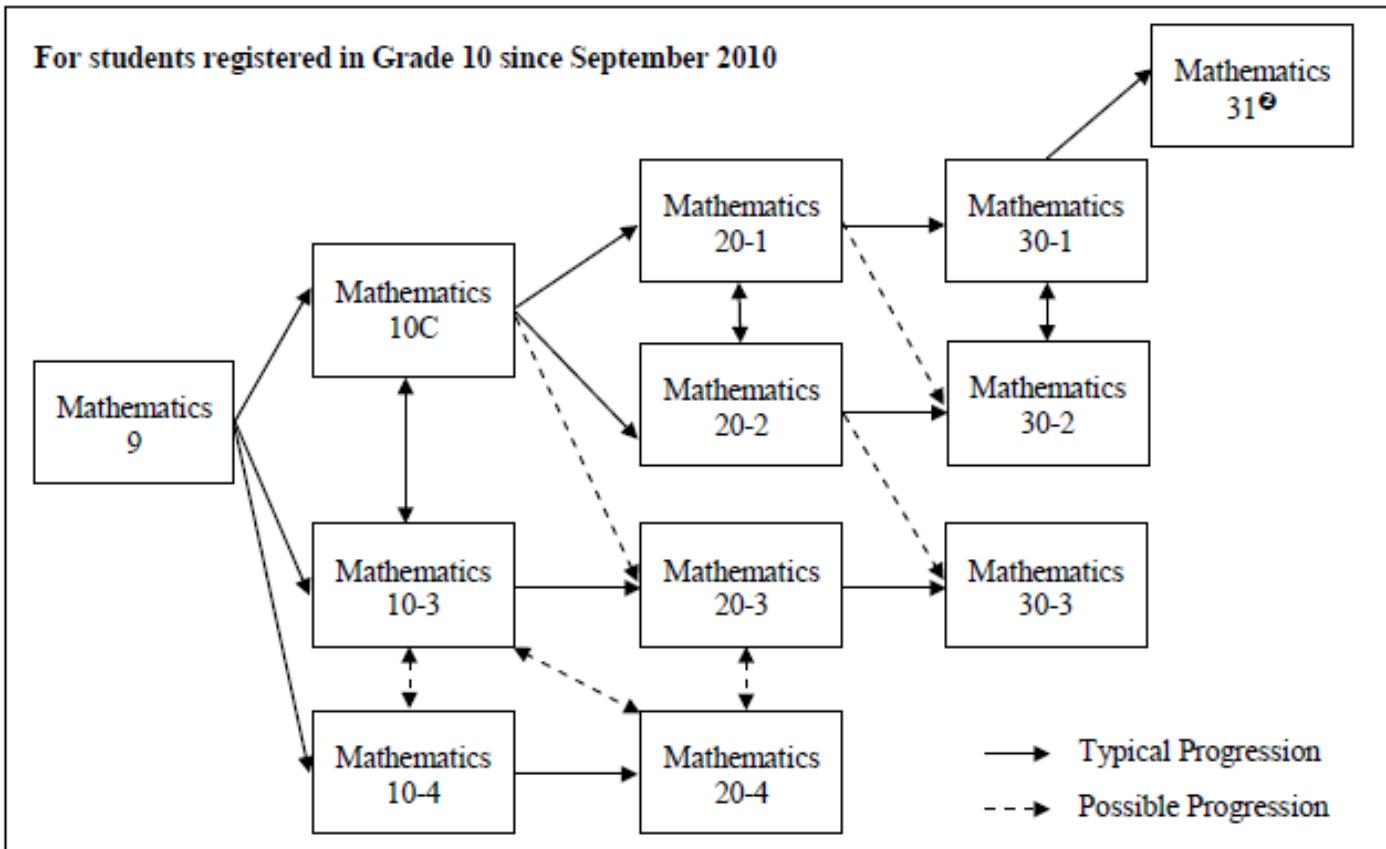
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## Science Program



## Mathematics Program

### Possible Sequences—Mathematics Course Sequences<sup>①</sup>



→ Typical Progression  
 - - - → Possible Progression

## A SAMPLE GRADE 10 TIMETABLE

(Actual times for 2013-2014 will vary; students select one course from each block) (A description of each course follows this sheet)

BLOCK	SEMESTER 1	SEMESTER 2
1	ENGLISH *10-1 *10-2 *10-4	SOCIAL STUDIES *10-1 *10-2 *10-4
2	MATH *10C *10-3 *10-4	SCIENCE *10 *14 *10-4
3	HCS 3000 C.A.L.M. 20	<u>CHOICE</u> • FOODS • WORK EXPERIENCE (REQUIRES HCS 3000) • ADLC COURSES, SUCH AS FORENSICS, ART, FORESTRY ETC.
4	PHYS. ED. 10 (3 OR 5 CREDIT)	<u>CHOICE</u> • PHYS. ED. 20/30 • WORK EXPERIENCE (REQUIRES HCS 3000) • ADLC COURSES, SUCH AS THE ABOVE OR ENTREPRENEURSHIP, COSMOTOLOGY, ETC.)

# **REACHING ONE'S POTENTIAL**

50% IS A  
MINIMUM  
STANDARD  
FOR  
COURSES-  
AIM HIGH

*MORE IS  
BETTER*

POST  
SECONDARY  
INSTITUTIONS  
ARE  
COMPETITIVE-  
BE A FORCE

CREDITS EARN  
YOU A DIPLOMA  
AND THE  
SCHOOL  
RECEIVES  
OPERATING  
COSTS- CREATE A  
"WIN-WIN"

## **REQUIRED COURSES**

- Select one course from EACH number.
- Students will still need to register for option/CTS courses; the listed courses (below) are the “essentials” of completion requirements.



### **1A. English 10-1 - 5 credits**

**Prerequisites and recommendations:** Grade 9 Language Arts (65% highly recommended)

**Success in this course will lead to:**

**English 20-1**

-University and technical colleges/institutions

**This course is about:**

- Developing increasingly complex and sophisticated skills in reading, writing, speaking, listening, viewing and representing.
- An emphasis on the study, creation and analysis of literary texts, including a Shakespearean play.
- Exploring human experiences and values through literature.

**Student qualities:**

- Strength in critical and analytical reading skills.
- Proficient writing skills.
- Willingness to share ideas and appreciate different viewpoints of others.
- Diligent work habits.

### **1B. English 10-2- 5 credits**

**Prerequisites and recommendations:**

Grade 9 Language Arts (recommended for students with a mark between 50 and 65%).

-Technical institutions and some colleges

**These courses are about:**

- Further developing basic skills in reading, writing, speaking, listening, viewing and representing.
- An emphasis on personal response and connection to texts.
- Developing skills and attitudes in language needed for everyday living at home, in the work place, and in the community.
- Exploring human experiences and values through literature.



**Student qualities:**

- Willingness to improve basic reading and writing skills.
- Willingness to appreciate and value the ideas and opinions of others.
- Willingness to offer ideas and viewpoints.
- Diligent work habits.

## **1C. English 10-4 (Knowledge and Employability Course) – 5 credits**

### **Prerequisites and recommendations:**

Grade 9 Language Arts (recommended for students with a mark of 50% or lower). K & E recommendation required.

**For students to move to the -2 stream, they must take the English course in the same grade level (10-4 to 10-2 and 20-4 to 20-2).**

**Success in these courses will lead to:**  
completion is the English requirement for a high school Certificate of Achievement.

-Some technical institutions

### **These courses are about:**

- Further developing basic skills in reading, writing, listening, speaking, viewing, and representing.
- Emphasis on writing personal response and obtaining a basic understanding of reading.
- Develop English skills that have practical use in the home, workplace, and community.
- Develop decision making skills.

### **Student qualities:**

- A desire to improve English skills
- Willingness to offer ideas and viewpoints.
- Willingness to understand the ideas and opinions of others

## **2A. Math 10C– 5 credits**

**Prerequisites:** 50% in Grade 9 Math

**Recommended:** 60% and teacher recommendation

-University and technical colleges/institutions



### **This course is about:**

- Measurement, surface area, volume
- Trigonometry fundamentals.
- Real numbers and radicals
- Rational exponents.
- Polynomials & factoring.
- Linear relations & functions
- Systems of linear equations

### **Student qualities:**

- Willingness to take on responsibility for learning including doing class assignments and homework.
- A positive attitude and good attendance.

## **2B. Math10-3 – 5 credits**

**Prerequisites:** Under 55% in Grade 9.

**This course can lead to Math 10-C with above 70% in Math 10-3.**

**\*A student who fails Math 9 MUST take Math 10-3 OR Math 10-4**

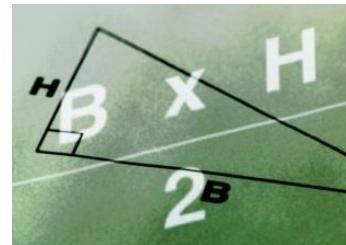
-Technical institutions and some colleges

**This course is about:**

- Measurement, Surface area ,Volume, Mass, capacity
- 2-D and 3-D shapes
- Geometry –Angles, parallel lines
- Polygons
- Pythagorean Theorem
- Primary Trig Ratios
- Unit pricing, exchange, proportions
- Formulas
- Income

**Student qualities:**

- Willingness to complete class assignments and projects.
- A positive attitude and good attendance.



## **2C. Math 10-4 (A Knowledge & Employability Course)- 5 credits**

**Prerequisites:** A modified Grade 9 math program. K & E recommendation required.

-Some technical institutions

**This course is about:**

- Developing basic math literacy.
- Applications of math to real life
- Developing skills and attitudes in mathematics needed for everyday living at home, in the work place, and in the community.

**Student qualities:**

- Has a difficulty with mathematics.
- A positive attitude and good attendance
- Willingness to complete class assignments and projects.

## **3A. Science 10 - 5 credits**

**Prerequisites and recommendations:**  
Grade 9 Science (60% recommended).

**Success in this course will lead to:**

Science 20, Biology 20, Chemistry 20 and/or Physics 20.

-University and technical colleges/institutions

**This course is about:**

- Energy and matter in chemical change - Chemistry.
- Energy flow in technological systems - Physics.
- Cycling of matter in living systems – Biology.
- Energy flow in global system - Ecology.

**Student qualities:**

- Self-motivation and ability to work independently and in lab groups.
- Strong math skills.

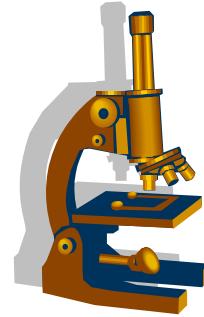
### **3B. Science 14 - 5 credits**

**Prerequisites and recommendations:**

Grade 9 Science (recommended for students with a mark of under 55%).

**Success in this course will lead to:**

Science 24



-Technical institutions and some colleges

**This course is about:**

- Energy transfer technologies - Physics
- Properties of matter - Chemistry
- Matter and energy in living things - Biology
- Matter and energy in the environment - Ecology

**Student qualities:**

- Has difficulties with science and mathematics
- Enjoys hands-on participation in laboratory experiments
- A positive attitude and good attendance

### **3C. Science 10-4 (A Knowledge and Employability Course) - 5 credits**

**Prerequisites and recommendations:**

Grade 9 Science (recommended for students with a mark of 50% or lower). K & E Recommendation required.

**Success in this course will lead to:**

Science 24 or Science 20-4

-Some technical institutions

**This course is about:**

- Energy transfer technologies - Physics
- Properties of matter - Household and workplace chemistry 1.

**Student qualities:**

- Has difficulty with science and mathematics.
- Enjoys hands-on participation in

- Human health 1 - Biology
- Humans, energy and the environment - Ecology.
- laboratory experiments.
- A positive attitude and good attendance.

#### **4. Physical Education 10 – 3 or 5 credits**

**Prerequisites:** Grade 9 Physical Education.

**Success in this course will lead to:**

completion of the physical education requirements for a high school Diploma **or** Physical Education 20



**This course is about:**

- Emphasizing active living, with a focus on physical activity that is valued and integrated into daily life.
- Understanding, experiencing and appreciating the health benefits that result from physical activity.
- A variety of team and individual activities, games, and fitness.

**Student qualities:**

- Positive attitude with a willingness to participate and learn.
- Interacting positively with others.
- Assuming responsibility for an active lifestyle.

#### **5A. Social Studies 10-1 - 5 credits**

**Prerequisites and recommendations:** Grade 9 Social Studies (65% recommended)

**Success in this course will lead to:**

Social Studies 20-1 (60% recommended) **or** Social Studies 20-2 (recommended with a mark between 50% - 60%).

-University and technical colleges/institutions

**This course is about:**

- To what extent should we embrace globalization?

**Student qualities:**

- Strong analytical skills.
- Strong reading and writing skills, particularly reading comprehension.
- Dedication and self-discipline.

#### **5B. Social Studies 10-2 - 5 credits**

**Prerequisites and recommendations:** Grade 9 Social Studies (recommended for students with a mark of under 65%).

**Success in this course will lead to:** Social Studies 20-2.

-Technical institutions and some colleges

**This course is about:**

- To what extent should we embrace globalization?

**Student qualities:**

- Positive attitude and interest in learning.
- Proficient reading and writing skills.
- Commitment to good attendance.

## **5C. Social Studies 10-4/10-2 (A Knowledge and Employability Course) - 5 credits**

**Prerequisites and**

**recommendations:** Grade 9 Social Studies (recommended for students with a mark of 50% or lower). K & E recommendation required.



**Success in this course will lead to:**

Social Studies 20-4 **or** Social Studies 20-2.

-Some technical institutions

**This course is about:**

- Should we embrace globalization?

**Student qualities:**

- Positive attitude and interest in learning.
- Willingness to improve basic reading and writing skills.
- Commitment to good attendance.

## **6. Career and Life Management (CALM 20) – 3 credit requirement for a High School Diploma**

**Prerequisites:** none.

**This course is about:**

- Personal growth and development including relationship building
- Expanding career planning and job search skills.
- Managing personal resources. e.g. money and time.
- Exploring the costs of “independent living

**Student qualities:**

- Willingness to participate and demonstrate responsibility for course work.
- Desire to grow personally.
- Ability to demonstrate tolerance and understanding of others.

## ADDITIONAL LINKS/RESOURCES

### **1) Alberta Education- Guide to Education**

<http://education.alberta.ca/admin/resources/guidetoed.aspx>

### **2) Scholarships and Bursaries**

<http://alis.alberta.ca/ps/fo/scholarships/scholarships.html>

### **3) Rutherford Scholarship**

[http://alis.alberta.ca/ps/fo/scholarships/info.html?EK=1\\_1](http://alis.alberta.ca/ps/fo/scholarships/info.html?EK=1_1)

### **4) Student Awards.com**

<http://www.studentawards.com/>

### **5) Alberta Occupational Profiles**

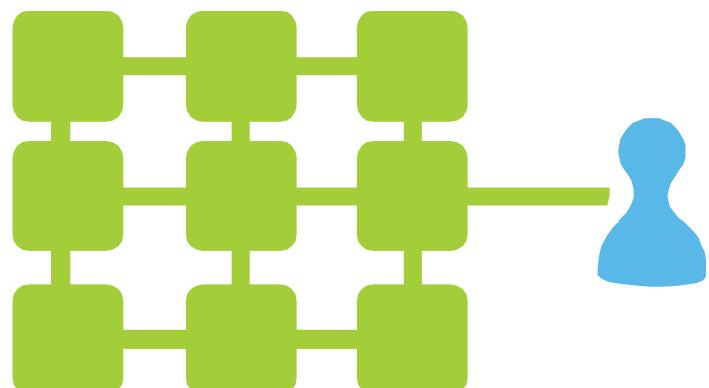
<http://alis.alberta.ca/occinfo/Content/RequestAction.aspx?format=html&aspAction=GetHomePage&Page=Home>

### **6) Alberta Distance Learning Centre**

<http://www.adlc.ca>

### **7) My Blueprint**

<http://www.myblueprint.ca/support/educator-resources>



### **8) Canadian Universities Forum**

<http://www.univforum.com/>

# CAREER PLANNING CHECKLIST



## THE CHECKLIST

### GRADE

**9 10 11 12**

- ○ ○ ○ update career interest areas
- ○ ○ ○ review high school diploma requirements
- ○ ○ ○ review options after high school
- ○ ○ ○ review post-secondary entrance requirements
- ○ ○ ○ develop/update transition scenarios
- ○ ○ ○ develop/update career portfolio
- ○ ○ ○ develop/review long-term career plan

### GRADE

**9 10 11 12**

- ○ ○ ○ build personal career planning reference guide
- ○ ○ ○ visit school/community career centre
- ○ ○ ○ discuss plans with parents/guardian
- ○ ○ ○ discuss plans with career advisor
- ○ ○ ○ review financial needs/resources
- ○ ○ ○ participate in work site learning
- ○ ○ ○ develop job search techniques/tools

# CONSULTATION

DATE	ITEMS DISCUSSED & FOLLOW-UP	SIGNATURES
		Student _____ Counsellor _____ Parent _____



***“Together we can; together we will!”***