



Waterdown

DISTRICT HIGH SCHOOL

Grade 9 Pathway Presentation



Waterdown District High School Moves to 215 Parkside Drive, 1992.



Waterdown District High School's East Wing Expansion, 2012.



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Diploma Requirements

Graduation requirements for current Grade 9s:

1. Earn 30 credits
2. Complete 40 hours of community involvement
3. Pass the literacy requirement
4. Complete 2 online courses (opt-out available)



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30 Credit Breakdown

- 17 compulsory credits (mandatory)
- 13 optional credits (electives)



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The **17** compulsory credits:

- 4 credits in English (1 credit per grade)
- 3 credits in Mathematics (Grade 9, Grade 10 and 1 credit in Grade 11 or 12)
- 2 credits in Science
- 1 credit in French as a second language
- 1 credit in Canadian Geography (Grade 9)
- 1 credit in Canadian History (Grade 10)
- 1 credit in Technological Education (Grade 9 or Grade 10)
- 1 credit in the Arts
- 1 credit in Health and Physical Education
- 0.5 credit in Career Studies
- 0.5 credit in Civics and Citizenship
- 1 credit from the STEM-related course group

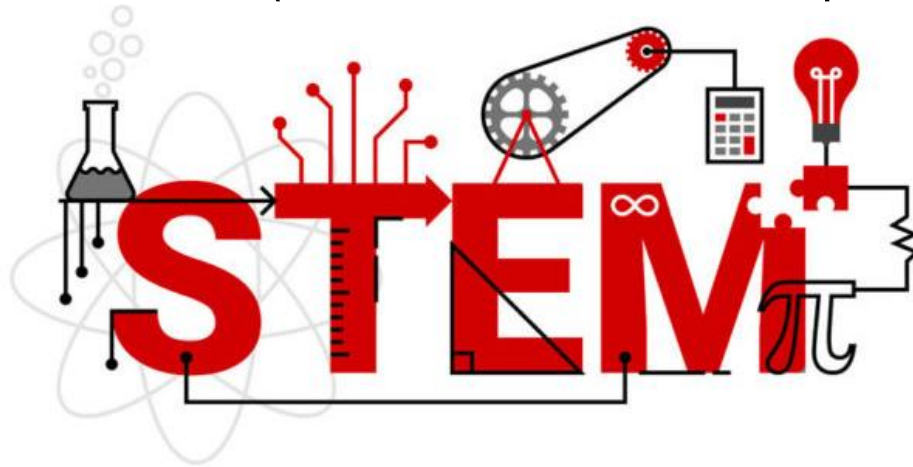


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STEM related courses:

- Business Studies
- Computer Studies
- Cooperative Education
- Mathematics (in addition to the 3 compulsory credits currently required)
- Science (in addition to the 2 compulsory credits currently required)
- Technological Education (in addition to the 1 compulsory credit required)





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Community Involvement

Goal:



- 20 hours by end of grade 10



Alexander Place



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Literacy Requirement

Achieving a minimum grade of 75% on the Ontario Secondary School Literacy Test (OSSLT) which is administered in Grade 10



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Course Selections for Grade 10

- In Grade 10, you will take a total of 8 courses:
 - 5 mandatory courses
 - English
 - Math
 - Science
 - History
 - Careers & Civics
 - 3 other courses



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Grade 9	Grade 10	Grade 11	Grade 12
English	English	English	English
Math	Math	Math	Choice #1
Science	Science	Choice #1	Choice #2
French	Careers & Civics	Choice #2	Choice #3
Geography	History	Choice #3	Choice #4
Choice #1	Choice #1	Choice #4	Choice #5
Choice #2	Choice #2	Choice #5	Choice #6
Choice #3	Choice #3	Choice #6	Choice #7



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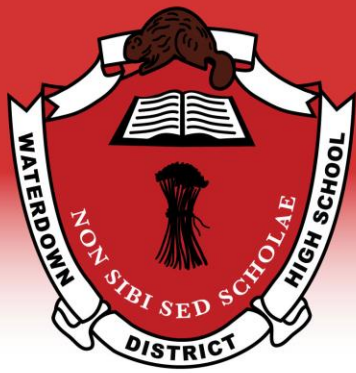
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Bell Schedule

All Grade 10s have
Period 4 lunch



Period	Time
1	8:00 – 9:15
2	9:19 – 10:34
3	10:38 – 11:53
4	11:56 – 1:11
5	1:15 – 2:30



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COURSE CODES

SNC2D1

These three letters identify the subject.

This number identifies the grade:

1 = Grade 9 3 = Grade 11
2 = Grade 10 4 = Grade 12

The sixth character refers to the credit value of the course

The letter identifies the Stream/destination

Grade 9

O = Open
W = Without Stream

Grade 10

D = Academic
P = Applied
L = Locally Developed
O = Open

Grade 11 – 12

C = College
E = Workplace
M = University/College
O = Open
U = University



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Grade 10 Program Streams

ACADEMIC
Courses
(D)

APPLIED
Courses
(P)

OPEN
Courses
(O)

**LOCALLY
DEVELOPED
Compulsory
Courses**
(L)



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PATHWAYS

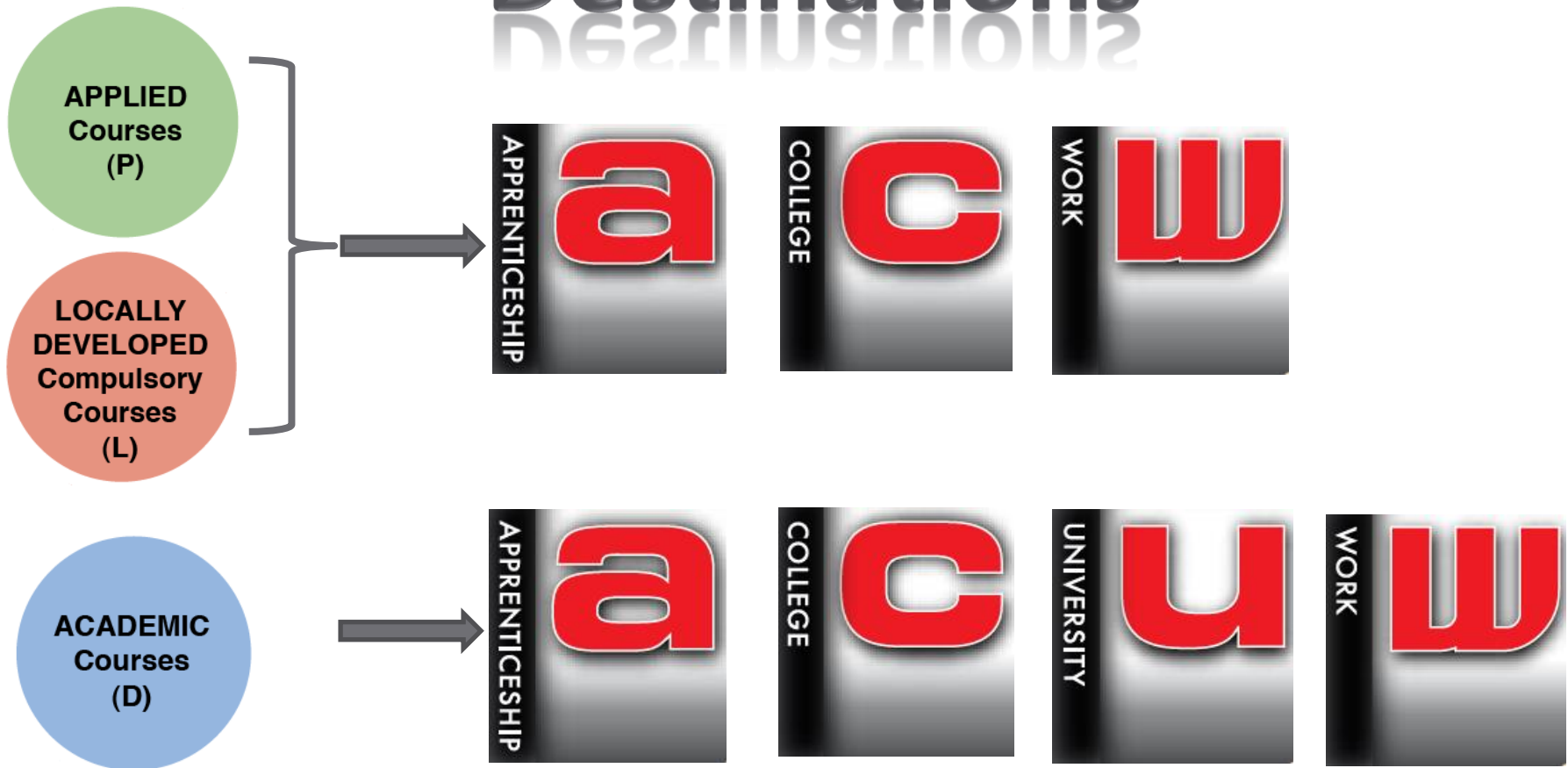


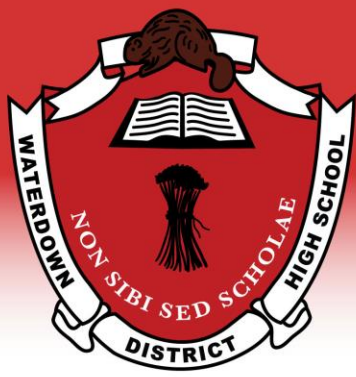


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Destinations





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Academic vs Applied Streams What's Right For You?

	ACADEMIC	APPLIED
Pace	Faster than Grade 9 courses	Similar to Grade 9 courses
Homework	Typically daily	Typically completed in class
Analytical Skills	Emphasis on critical and abstract thinking	More prompting and guided analysis
Independence	Able to manage self-directed learning	More guided learning and check-ins
Notes	Required to take notes from teacher lectures, whiteboards, etc.	Handouts with notes and worksheets generally provided



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Thinking of University?

Be sure to select

Academic English (ENG2D1)



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Academic vs Applied

.....in Science





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In the Chemistry Unit of both SNC2D1 and SNC2P1, both streams will explore chemical equations, but the complexity, depth of study, and amount of repetition/scaffolding differs.

SNC2D1 (Academic)

Balancing chemical equations



Analyzing chemical equations

For Bromine reacting with potassium iodide

- Write a word equation for the reaction
- Write a balance chemical equation
- Classify the reaction

SNC2P1 (Applied)



- Identify the products
- Is the equation balanced
- Classify the reaction



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In the Optics Unit of both SNC2D1 and SNC2P1, both streams will explore electromagnetic waves in our society, but the complexity, depth of study, and amount of repetition/scaffolding differs.

SNC2D1 (Academic)

For each electromagnetic wave below, explain its use in our society:

- X-rays
- UV light
- Radio waves
- Infrared light
- Microwaves
- Gamma rays
- Visible light

SNC2P1 (Applied)

Match each electromagnetic wave from column A with the term from column B that is most closely related.

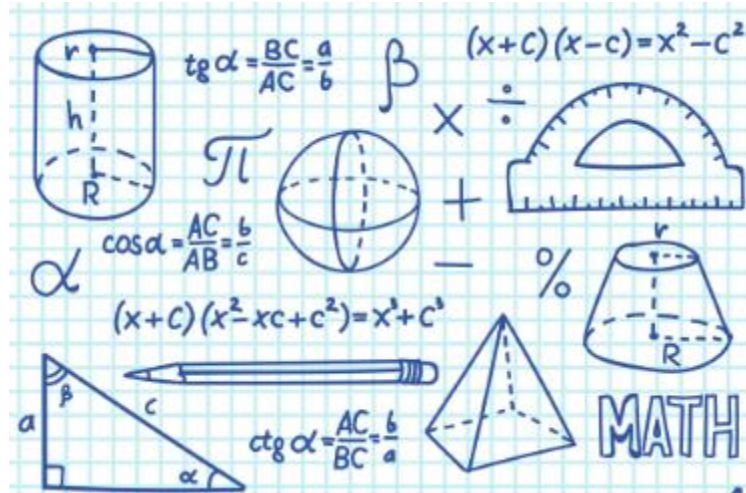
- | | |
|------------------|------------------------|
| __X-rays | i) Telecommunications |
| __UV light | ii) Vitamin D |
| __Radio waves | iii) Cancer treatment |
| __Infrared light | iv) Radar |
| __Microwaves | v) Concert effects |
| __Gamma rays | vi) Baggage screening |
| __Visible light | vii) TV remote control |



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Academic vs Applied

.....in Math



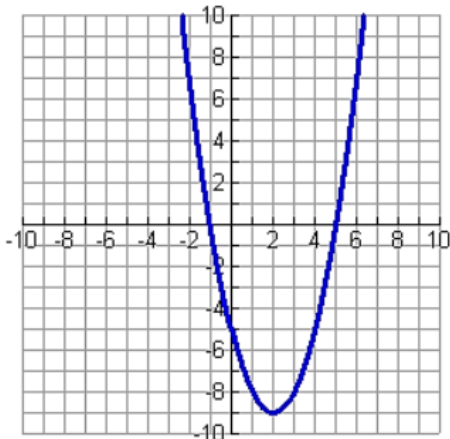


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In the Algebra unit of MFM2P and MPM2D, both streams will explore quadratics, but the depth of study and complexity of questions will differ.

ACADEMIC

Write an equation in intercept form for the following parabola.



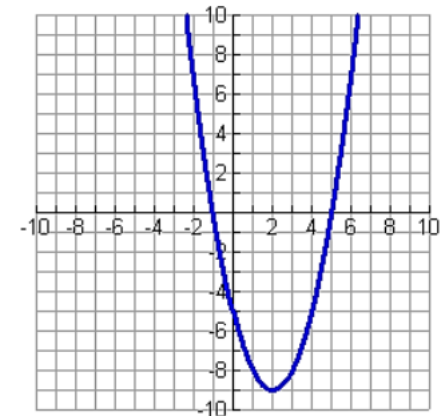
APPLIED

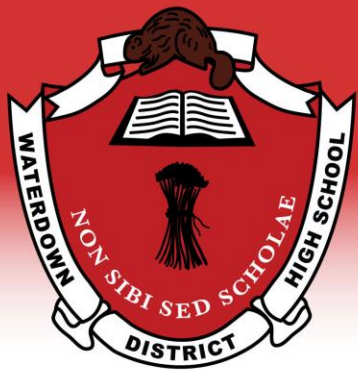
Which of the following equations does the parabola represent?
Circle your answer?

a) $y = (x+1)(x+5)$

b) $y = (x+1)(x-5)$

c) $y = (x-1)(x+5)$





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Students in both streams of Grade 10 Math will study Trigonometry. The associated word problems differ in complexity and the number of steps required to solve them.

Academic

A speedboat took off from a dock at an angle of 65° from the shore, at a speed of 80 km/h. At the same time, a jet ski took off at an angle of 107° , travelling at 160 km/h. After 30 minutes, how far apart are the two watercraft from each other? Answer to one decimal place.

Applied

While mountain climbing, one end of a 22m long rope is at the top of a cliff. The angle the rope makes with the ground is 75° . How high is the cliff, to the nearest metre?



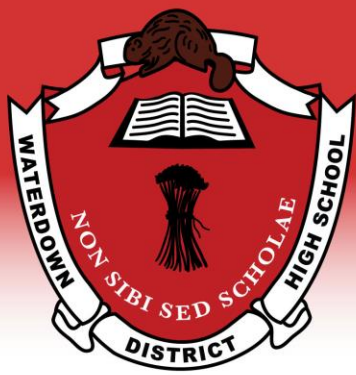
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Academic vs Applied

.....in English





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Analytical Writing from APPLIED Stream ENG 2P

- SHORT Essay
- More simple argument
- Supporting details are mostly paraphrased in student's own words
- Supporting details are from **personal connections** and 1- 2 stories from course

Student Model, Level 4: Difficult choices are a part of growing up. Difficult choices cause tension and conflict but create new learning or strengths. This theme can be seen in examples from my life as well as stories and movies. Three parts of the theme are family, school, and work.

Analytical Writing from ACADEMIC Stream ENG 2D

- A FULL Essay
- more advanced argument
- Supporting details are **mostly quotations**
- Supporting details are only from literature

Student Model, Level 4: Literature can provide insight into the world, especially when students consider the different dimensions of setting. An important element in the socio-cultural dimension of a story's setting is the amount and kind of justice that exists. Short stories as well as the novel *Gutter Child* reveals injustice in social systems, cultural values and beliefs, and personal relationships.



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Analytical Reading Questions:

Hold fast to dreams
For if dreams die
Life is a broken-winged bird
That cannot fly.

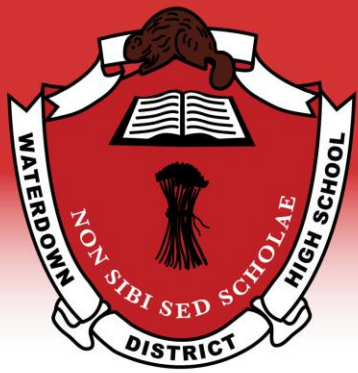
Hold fast to dreams
For when dreams go
Life is a barren field
Frozen with snow.

APPLIED STREAM – ENG2P1

1. The writer urges readers to hold “fast” to dreams. What does that word mean when you see it as the root word for the word “fasten”?
2. Why do you think this writer chose this word?
3. How is the writer comparing a person without dreams or goals to a bird?

ACADEMIC STREAM – ENG2D1

1. Use vocabulary inference strategies to explain the word “fast” does not mean “quick”, and then explain why it is an effective choice.
2. Explain how the poem’s two metaphors work, or how they are constructed, and explain why they are effective in developing the poem’s theme.



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 students.hwdsb.on.ca

HWDSB



Outlook Email
School Email



The HUB
Learning Centre for Ontario
Students



myBlueprint
IPP, Course Selection, Pathway
Planning, and Career Exploration
for Grades 7-12



Teams for Education
Microsoft Teams



Student Trustees
Student Trustee News



HWDSB Commons
Blog sites that connects teachers
to students



Password
[Change/Recover Your Password](#)
[Register for Password Self Service](#)



We Help
Mental well-being resources and
Non-emergency student
reporting.



School Messenger
Report a Student Absence.



**Online Library Learning
Commons**
Please select your school



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Student Account

Gr. 9 250 points

Home

Dashboard Tasks Class Activities Goals Portfolios

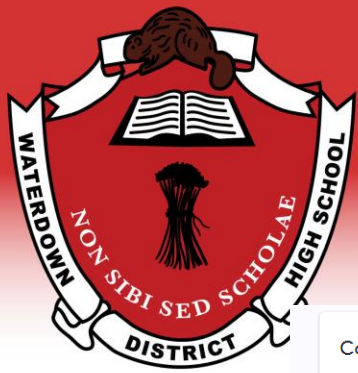
Complete your IPP Tasks

2 of 8 Completed

Individual Pathways Plan (IPP) Tasks help you plan your education and career while earning points for prize draws.

[View All Tasks](#) [Show Prizes](#)

High School • Plan
Plan Courses for Grade 10
100 points



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Course Selection is now Closed

Grade 9 Current Year	Grade 10 Next Year	Grade 11 Plan Ahead	Grade 12 Plan Ahead
Grade 9 English ENL1W1 • 1 Credit	+ English	+ English	+ English
Grade 9 Mathematics MTH1W1 • 1 Credit	+ Mathematics	+ Mathematics	+ Course
Grade 9 Science SNC1W1 • 1 Credit	+ Science	+ Course	+ Course
Grade 9 Core French FSF1D1 • 1 Credit	+ History	+ Course	+ Course
Grade 9 Exploring Canadian ... CGC1W1 • 1 Credit	+ Careers	+ Course	+ Course
Grade 9 Visual Arts AV11O1 • 1 Credit	+ Civics	+ Course	+ Course
Grade 9 Building the Entrepr... BEM1O1 • 1 Credit	+ Course	+ Course	+ Course
Grade 9 Healthy Active Livin... PPL1O1M • 1 Credit	+ Course	+ Course	+ Course
	+ Course		
	Alternates		
	+ Alternate		

Graduation Indicator

8/30

REQUIRED CREDITS

8

Planned

0

Earned

8

Total

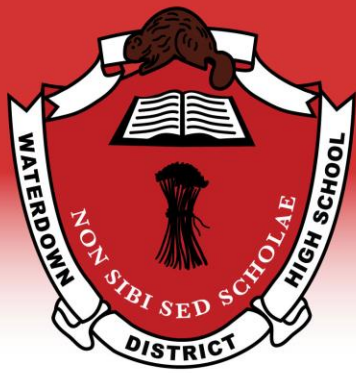
[View Progress](#)

Pathway Eligibility



Add more course(s) to unlock
Post-Secondary Eligibility

[Refresh Eligibility](#)



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Graduation Progress

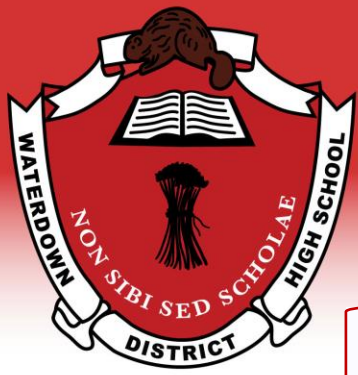


8 required credits planned	0 required credits earned	30 total required for graduation
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Compulsory

0/17 Credits

	Planned	Earned	Required
✓ 4 Credits in English (1 credit per grade)	1	0	1/4
✓ 1 Credit in French As a Second Language	1	0	1/1
✓ 3 credits in mathematics (Grade 9, Grade 10 and 1 credit in Grade 11 or 12)	1	0	1/3
✓ 2 Credits in Science	1	0	1/2
✓ 1 Credit in Technological Education (Grade 9 or 10)	0	0	0/1
✓ 1 Credit in Arts	1	0	1/1



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<input type="checkbox"/> 1 Credit in Technological Education (Grade 9 or 10)	0	0	0/1
<input checked="" type="checkbox"/> 1 Credit in Arts	1	0	1/1
<input checked="" type="checkbox"/> 1 Credit in Health and Physical Education	1	0	1/1
<input type="checkbox"/> 0.5 Credit in Civics	0	0	0/0.5
<input type="checkbox"/> 0.5 Credit in Guidance and Career Education	0	0	0/0.5
<input type="checkbox"/> 1 Credit in History	0	0	0/1
<input checked="" type="checkbox"/> 1 Credit in Geography	1	0	1/1
<input type="checkbox"/> 1 Credit from the STEM-related Course Group (Business Studies, Computer Studies, Cooperative Education, Mathematics, Science, or Technological Education)	0	0	0/1

Elective	0/13 Credits		
<input checked="" type="checkbox"/> 13 Elective Credits	1	0	1/13

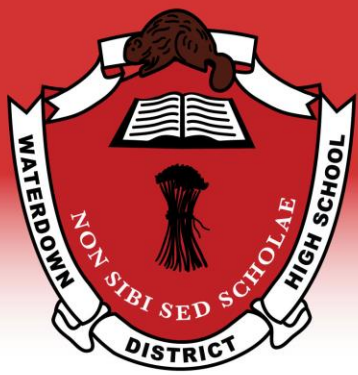


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TECH CREDIT REMINDER

TECHNOLOGICAL EDUCATION	GRADE 9	GRADE 10
Technology and the Skill Trades	TAS101	TAS201
Communications Technology		TGJ201
Green Industries		THJ201
Computer Technology		TEJ201
Construction Technology		TCJ201
Construction Technology/SHSM Construction		
Custom Woodworking		
Construction Technology – Home repair		
Technological Design		TDJ201
Transportation Technology		TTJ201
Hairstyling and Aesthetics	TXJ101	TXJ201
Hairstyling and Aesthetics (Dual Credit/Niagara College)		

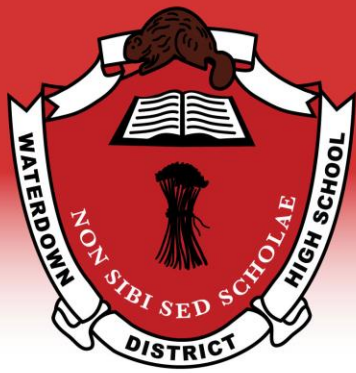


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ART CREDIT REMINDER

ARTS	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Drama	ADA101	ADA201	ADA3M1	ADA4M1
Music-Instrumental	AMU101	AMU201	AMU3M1	AMU4M1
Music-Instrumental & Repertoire (2 credit package) Note: Repertoire will occur outside the school day	AMU101 & AMR101	AMU201 & AMR201	AMU3M1 & AMR3M1	AMU4M1 & AMR4M1
Music-Vocal/Choral	AMV101	AMV201	AMV3M1	AMV4M1
Music – Studio Production			AMC301	
Visual Arts – Crafts	AWA101			
Visual Arts	AVI101	AVI201	AVI3M1	AVI4M1
Visual Arts-Digital Media		AWS201		
Visual Arts-Drawing and Painting		AWM201	AWM3M1	
Visual Arts-Interior Design			AWH301	
Visual Arts-Photography			AWQ3M1	
Visual Arts-Non-Traditional (Portfolio)				AWT4M1



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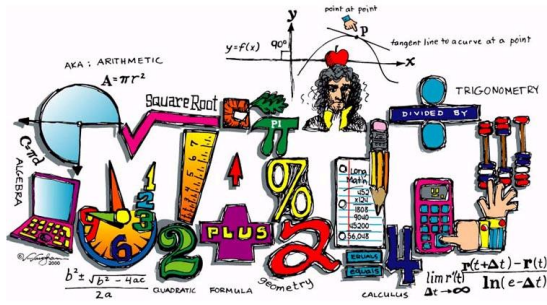
PHYS. ED. CREDIT REMINDER

HEALTH & PHYSICAL EDUCATION	GRADE 9	GRADE 10	GRADE 11	GRADE 12
Hockey/Lacrosse Focus (course fee applies)	PAL1O1 (all-genders)			
Sports and Games (F-Female, M-Male)	PPL1O1F, PPL1O1M	PPL2O1F, PPL2O1M	PPL3O1F, PPL3O1M	PPL4O1F, PPL4O1M
Recreational Physical Education	PAI1O1 (all-genders)	PAI2O1 (all-genders)		
Personal Fitness Activities (F-Female, M-Male)		PAF2O1F, PAF2O1M	PAF3O1F, PAF3O1M	PAF4O1F, PAF4O1M
Football Focus	PAR1O1 (all-genders)	PAR2O1 (all-genders)	PAR3O1 (all-genders)	PAR4O1 (all-genders)
Basketball Focus			PAL3O1 (all-genders)	PAL4O1 (all-genders)
Introductory Kinesiology				PSK4U1(all-genders)
Recreation & Healthy Active Living Leadership				PLF4M1 (all-genders)



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eLEARNING



punctuation
adjective
ENGLISH

Science

