

# GRADE 9 CORE SUBJECTS



English



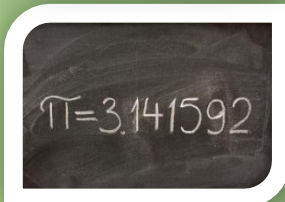
Languages



Geography



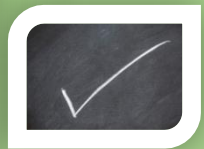
Science



Math

# APPLIED/ACADEMIC/ESSENTIAL

SELECTING A LEVEL FOR MY STUDENT?



Identification and Encouragement

Fast or Slow

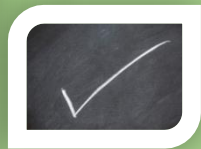
Movement IS possible between levels

Choose for SUCCESS

Carefully consider your recommendation

# APPLIED/ACADEMIC/ESSENTIAL

## GUIDELINES FOR SELECTING A LEVEL FOR MY STUDENT



### Academic

Short and long term projects

Organization skills more assumed

Work completed in class and out of class

Ability to “self drive” is assumed

Must be a *willing* reader, writer, and math worker

# APPLIED/ACADEMIC/ESSENTIAL

## GUIDELINES FOR SELECTING A LEVEL FOR MY STUDENT



### Applied

Short term projects

Organizational skills embedded within assignments

Most work completed in class

Reading and writing skills are taught

# APPLIED/ACADEMIC/ESSENTIAL

## GUIDELINES FOR SELECTING A LEVEL FOR MY STUDENT



### Essential

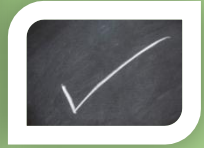
Offered in English, Math, Geography, and Science

Continues into Grade 10

Students proceed into Grade 11 and 12 Workplace

# APPLIED/ACADEMIC/ESSENTIAL

## GUIDELINES FOR SELECTING A LEVEL FOR MY STUDENT

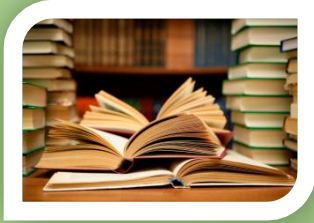


### Future Plans

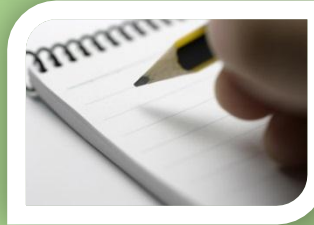
Academic	Applied	Essential
College	College	College
Work	Work	Workplace
Apprenticeships	Apprenticeships	
College to University bridge Programs	College to University Bridge Program	
University		



# ENGLISH



**Reading**



**Writing**



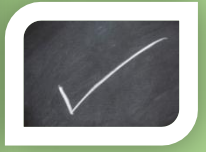
**Media**



**Oral Communication**

# ENGLISH

## COURSE CONTENT



### Academic & Applied

Academic	Applied
<p>Class size = at least 30</p> <p>Shakespeare, short stories, poetry, non-fiction/media TKAMB</p> <p>Formal paragraphs Essays Opinion writing Presentation Large Unit Tests</p>	<p>Class size = approx. 20</p> <p>Poetry, short narratives, student selected young adult novel, short Drama</p> <p>Shorter/chunked assignments and projects</p>



# LANGUAGES



## French

Understanding and speaking French opens doors!

### DID YOU KNOW?



Academic and applied courses cover the same topics



If you are taking mostly Academic, take Academic French

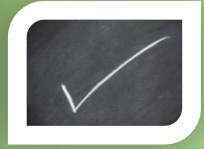


Most students who take French are on the Honour Roll



You receive a Certificate of Completion after Grade 12

# LANGUAGES



## French

Understanding and speaking French opens doors!

### DID YOU KNOW?



You can go on exchange after Grade 10 to Europe

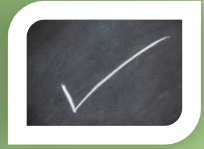


Grade 10 French can count as a compulsory course



Speaking French gives you an advantage in the job market

# LANGUAGES



## International Languages

You can take German or Spanish in Grade 10!

German and Spanish are 3 year programs.

Any student, with any language background may take German or Spanish.

You receive a Certificate of Completion after Grade 12 for each of these languages.

# CANADIAN GEOGRAPHY



**Interactions in the Physical Environment**



**Managing Canada's Resources & Industries**



**Changing Populations**



**Livable Communities**



# CANADIAN GEOGRAPHY





# SCIENCE



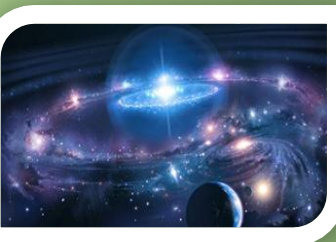
**Chemistry**



**Physics - Electricity**



**Biology - Ecology**

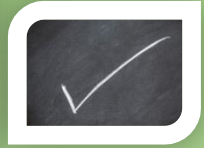


**Space**



# SCIENCE

## COURSE CONTENT



### **Academic Science can Lead to...**

University Level Biology, Chemistry and Physics

Environmental Science

Green Industries

Earth, Space and Science

# SCIENCE

## COURSE CONTENT



### **Applied Science can Lead to...**

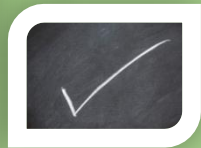
College Level Biology, Chemistry and Physics

Environmental Science

Green Industries (Horticulture)

# SCIENCE

## COURSE CONTENT



**Essential Science can Lead to...**

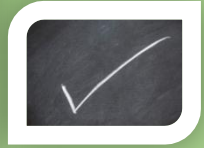
Environmental Science

Green Industries



# MATH

## COURSE CONTENT



### Academic & Applied

Academic	Applied
Class size approx. 30	Class size approx. 20
Usually some homework each evening	MOST homework is done in class
Academic level EQAO	Applied level EQAO

\*\* IF you are unsure...

Please sign up for Academic Math

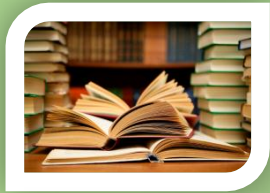
It is MUCH easier to move from Academic to Applied

# MATH

Applied		Academic	
Chapter	Content	Chapter	Content
7 – Polynomials	Add, subtract like terms Product of polynomial and monomial	3 – Polynomials	Same as applied PLUS Distributive property
6 – Solving Equations	Solving Equations (simple ones)	4 – Equations	Same as applied BUT more multi step equations (and more difficult word problems)
4 – Proportional Reasoning	Ratios, proportions and applications		Small portion of triangles unit
5 – Graphing Relations	Scatter plot, line of best fit, interpreting graphs	2 – Relations	Same as applied
6 – Linear Relations	Rates of Change, Direct and Partial Variation, slope	5 – Modelling with Graphs	Same as applied
1 – Measuring Figures in Objects	Perimeter, Area, Volume	8 - Measurement Relations	Same as applied PLUS Surface area of Sphere and Cone
2 – Maximizing Perimeter and Area in Rectangles		9 – Optimizing Measurements	Same as applied PLUS Maximizing and Minimizing Volume and Surface area of Cylinder and Square based prism
3 – Relationships in Geometry	Properties of Parallel lines and Triangles	7 – Geometric Relationships	Same as applied PLUS Midpoints and Medians and Diagonals in Triangles and Polygons
		6 – Analyze Linear Relations	Slope y intercept form of lines, Standard Form, Parallel and Perpendicular Equations, Solving Linear Systems



# GRADE 9 CORE SUBJECTS



**English**



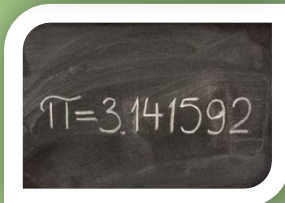
**Languages**



**Geography**



**Science**



**Math**