

# *Entire Units of Study for Secondary Mathematics*

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The following is a list of resources for Grade 9 - 12 Mathematics courses contained in the Ontario Educational Resource Bank

\* They are *organized by course and most are entire units*

How to access these resources:

1. Visit the Ontario Education Resource Bank at <http://resources.elearningontario.ca>
  - a. Username:
  - b. Password:
2. Agree to the Terms and Conditions and click Search
3. On the Simple Search menu, type the Resource ID (ELO##### ) and click Simple Search
4. Click **Preview** to see the resource.

Note: *If it is an entire unit, scroll down to the activities at the bottom.  
See "Content" and "Assignment" for each activity.*

# Grade 9 Courses

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## **Grade 9 Locally Developed Mathematics - MAT 1L** CATHOLIC

Unit	Title	Resource ID
1	Money Sense	ELO1144300
2	Metric System	ELO1144800
3	Length and the Imperial System	ELO1143770
4	Perimeter, Area and Volume	ELO1144990
5	Fractions and Percent	ELO1144370
6	Ratio and Rate	ELO1144420
7	Culminating Activity	ELO1144480

## **Principles of Mathematics - Grade 9 Academic - MPM 1D** CATHOLIC

Unit	Title	Resource ID
1	Recap and Number Sense	ELO1105800
2	Algebra	ELO1105970
3	Linear Relations	ELO1106050
4	Analytic Geometry	ELO1106350
5	Measurement	ELO1107160
6	Geometry	ELO1107280
7	Culminating Activity	ELO1107360

## **Foundations of Mathematics - Grade 9 Applied - MFM 1P** CATHOLIC

Unit	Title	Resource ID
1	Number Sense and Algebra	ELO1011220
2	Linear Relations	ELO1011660
3	Measurement and Geometry	ELO1011720
4	Culminating Activity	ELO1011700
<i>You might also find the PUBLIC units useful for MFM1P. Unit 3 is not found as an "entire unit" but instead as a series of 12 Activities</i>		
1	Number Sense and Algebra	ELO1010930
2	Proportional Reasoning	ELO1136740
3	Relationships	ELO1136870, ELO1136880, ELO1136890, ELO1136920, ELO1136910, ELO1136930, ELO1136940, ELO1136950, ELO1136960, ELO1136970, ELO1136980, ELO1136990
4	Measurement and Geometry	ELO1137170
5	Exam	ELO1137150

# Grade 10 Courses

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## **Grade 10 Locally Developed Mathematics - MAT 2L** CATHOLIC

Unit	Title	Resource ID
1	Money Cents	ELO1149120
2	Measurement: Metric vs Imperial	ELO1158640
3	Measurement 2: <b>found as 9 separate activities</b>	ELO1152810, ELO1152820, ELO1154520, ELO1154540, ELO1154570, ELO1154600, ELO1155360, ELO1155370, ELO1155410
4	Fractions, Ratios and Rates	ELO1148920
5	The Essential Event (CAT)	ELO1158660

## **Principles of Mathematics - Grade 9 Academic - MPM 1D** CATHOLIC

Unit	Title	Resource ID
1	Measurement & Trig: <b>* found as 13 separate activities</b>	ELO1027070, ELO1027080, ELO1027120, ELO1027190, ELO1027210, ELO1027240, ELO1027250, ELO1027260, ELO1027270, ELO1027280, ELO1027290, ELO1027300, ELO1027310
2	Modelling Linear Relations	ELO1026910
3	Quadratic Relations of the form $y = ax^2 + bx + c$ : <b>* found as 11 separate activities</b>	ELO102720, ELO1029050, ELO1029080, ELO1029100, ELO1029120, ELO1029140, ELO1029150, ELO1029160, ELO1029170, ELO1029180, ELO1029190
4	The Spectacular Scholastic Race (CAT)	ELO1027060

## **Foundations of Mathematics - Grade 10 Applied – MFM 2P** CATHOLIC

Unit	Title	Resource ID
1	Linear Systems	ELO1125550
2	Analytic Geometry	ELO1126620
3	Properties of Quadratic Relations	ELO1127680
4	Applications of Quadratic Relations	ELO1126930
5	Similar Triangles	ELO1127040
6	Trigonometry	ELO1127140
7	Summative Activity	ELO1127170

# Grade 11 Courses

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## **Functions - Grade 11 University Mathematics - MCR 3U** CATHOLIC

Unit	Title	Resource ID
1	Discrete Functions	ELO1047040
2	Functions	ELO1047850
3	Quadratics & Transformations	ELO1047060
4	Exponential Functions	ELO1048200
5	Trig Functions	ELO1047070
6	CAT & Exam	ELO1048410

## **Functions & Applications - Grade 11 University/College - MCF 3M** CATHOLIC

Unit	Title	Resource ID
1	Quadratic Functions	ELO1104500
2	Exponential Functions	ELO1104520
3	Trig Functions	ELO1104530
4	Culminating Task	ELO1104540

## **Foundations for College Mathematics - Grade 11 College– MBF 3C** CATHOLIC

Unit	Title	Resource ID
1	Quadratic Relations	ELO1221780
2	Data Management	ELO1221870
3	Probability	ELO1221940
4	Personal Finance	ELO1203610
5	Exponential Relations	ELO1203620
6	Trigonometry	ELO1203630
7	Geometry	ELO1222010
8	Culminating Course Activities	ELO1222080

## **Mathematics for Work & Everyday Life - Grade 11 Workplace - MEL 3E** CATHOLIC

Unit	Title	Resource ID
1	Working for Your Money: * found as 7 separate activities ELO1034640, ELO1034660, ELO1034670, ELO1034690, ELO1034790, ELO1034850, ELO1034860	
2	Hello, Good Buy!	ELO1022330
3	Bank On It	ELO1022390
4	Making Your Money Work	ELO1022370
5	It's in Your Best Interest	ELO1022380
6	You Auto Know	ELO1022420
7	Planes, Trains and Automobiles	ELO1022340

# Grade 12 Courses

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## **Advanced Functions - Grade 12 University Mathematics - MHF 4U** CATHOLIC

Unit	Title	Resource ID
1	Intro to Polynomial Functions	ELO1121550
2	Advanced Polynomial & Rational Functions	ELO1121560
3	Exp & Log Functions	ELO1121670
4	Trig Functions	ELO1123450
5	Characteristics of Functions	ELO1127960

## **Calculus & Vectors - Grade 12 University Mathematics - MCV 4U** CATHOLIC

Unit	Title	Resource ID
1	Vectors	ELO1118350
2	Lines & Planes	ELO1118590
3	Rates of Change	ELO1118500
4	Derivatives of Exponential & Trig Functions	ELO1118510
5	Properties of Derivatives	ELO1118520
6	Curve Sketching	ELO1118530
7	Modelling Equations	ELO1118540
8	Final Summative Evaluation	ELO1118600

## **Mathematics of Data Management - Grade 12 University - MDM 4U** CATHOLIC

Unit	Title	Resource ID
1	Probability & Discrete Sample Spaces	ELO1153020
2	Counting Principles	ELO1153110
3	One Variable Data Sets	ELO1144740
4	Two Variable Data	ELO1144880
5	Prob Dist for Discrete Random Variables	ELO1157160
6	Prob Dist for Continuous Random Variables	ELO1144970
7	CAT/Exam	ELO1157170

## **Mathematics for College Technology - Grade 12 College - MCT 4C** CATHOLIC

Unit	Title	Resource ID
1	Exponential Functions	ELO1164270
2	Polynomial Functions	ELO1151880
3	Polynomial Equations	ELO1182140
4	Trig Functions	ELO1167780
5	Applications of Trig Ratios & Vectors	ELO1167850
6	Measurement & Geometry	ELO1187610
7	Summative Unit	ELO1189090

**Foundations for College Mathematics - Grade 12 College - MAP 4C** CATHOLIC

Unit	Title	Resource ID
1	Statistics	ELO1146480
2	Stats & Graphical Models	ELO1146580
3	Exp Computations and Equations & Annuities	ELO1187580
4	Personal Finance	ELO1187570
5	Measurement & Geometry	ELO1187560
6	Trig	ELO1146650
7	Summative Assessment	ELO1216530

**Mathematics for Work & Everyday Life - Grade 12 Workplace - MEL 4E** CATHOLIC

Unit	Title	Resource ID
1	Interpreting & Displaying Data	ELO1180200
2	Investigating Probability	ELO1188710
3	All About Income Tax	ELO1145020
4	What Does It Cost to Live Here?	ELO1144760
5	Designing Budgets	ELO1145050
6	Applications of Measurement	ELO1189300