

## Sample Course Descriptor

**MPM2D1** **Principles of Mathematics, Grade 10, Academic** **Sample Course Descriptor**

This course enables students to broaden their understanding of relationships and extend their problem-solving and algebraic skills through investigation, the effective use of technology, and abstract reasoning. Students will explore quadratic relations and their applications; solve and apply linear systems; verify properties of geometric figures using analytic geometry; and investigate the trigonometry of right and acute triangles. Students will reason mathematically and communicate their thinking as they solve multi-step problems.

**Prerequisite:** Grade 9 Mathematics, Academic, or Grade 9 Mathematics Transfer, Applied to Academic

**The first three characters indicate the Ministry approved course title. In this case:**  
MPM = Principles of Mathematics

**Major Subject Areas**  
Course Descriptors are alphabetically organized in the Course Descriptor section by major subject area.

<b>A</b> = The Arts	<b>K</b> = Alternative (Non-credit)
<b>B</b> = Business Studies	<b>L</b> = Classical, International and Native Languages
<b>C</b> = Canadian and World Studies	<b>M</b> = Mathematics
<b>E</b> = English, English Literacy Development, English As a Second Language	<b>N</b> = Native Studies
<b>F</b> = French	<b>P</b> = Health and Physical Education
<b>G</b> = Guidance and Career Education	<b>I</b> = Computer Studies or Interdisciplinary Studies
<b>H</b> = Social Sciences and the Humanities	<b>S</b> = Science
	<b>T</b> = Technological Education

**The fifth position indicates the course type. In this case:**  
D = Academic

**Course Type**

<b>C</b> = College
<b>D</b> = Academic
<b>E</b> = Workplace
<b>L</b> = Locally Developed Compulsory
<b>M</b> = College or University
<b>O</b> = Open
<b>P</b> = Applied
<b>U</b> = University
<b>N</b> = Non-Credit

**MPM 2 D 1** **Principles of Mathematics, Grade 10, Academic**

**The fourth position indicates the grade or language level. In this case:**  
2 = Grade 10

**Grades**

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

**Languages**

A = Level 1
B = Level 2
C = Level 3
D = Level 4
E = Level 5

**The sixth position indicates program or credit differentiation, or the focus of the course. In this case: 1 = Regular**

**Program Differentiation for Non-Tech Courses**

1 = Regular credit course	<b>A</b> = Part 1 (0.5)
2 = Beginner or Introductory course	<b>B</b> = Part 2 (0.5)
3 = Enriched course	<b>E</b> = e-Learning course
4 = Extended French course	<b>H</b> = Health and Physical Education
5 = French Immersion course	<b>F</b> = course for females
6 = Gifted course	<b>M</b> = course for males
7 = International Baccalaureate course	<b>1</b> = co-ed courses
8 = Self-contained ESL course	
9 = Self-contained special education course	
0 = Advanced Placement	

French Immersion and other specialty programs have a unique sixth character indicated on individual school chart.

**Program Differentiation for Tech Courses**  
Tech credits sixth character indicate credit value: 1, 2 or 3 credits e.g. **TJ3C2** = 2 credits.

## Diploma Requirements

An Ontario Secondary School Diploma (OSSD) requires the completion of:

- a minimum of 30 credits, including 18 compulsory and 12 optional
- 40 hours of community involvement activities
- the literacy requirement

The 18 compulsory credits are:

- 4 English, one per grade level
- 1 French as a Second Language
- 3 Mathematics, at least one in Grade 11 or 12
- 2 Science
- 1 Canadian Geography
- 1 Canadian History
- 1 Arts (dance, drama, media, music, visual arts)
- 1 Health and Physical Education
- 0.5 Civics
- 0.5 Career Studies

Plus one credit from each of the following groups:

- Group 1:** additional credit in English or French as a Second Language\* or a third language or Social Sciences and the Humanities or Canadian and World Studies or Guidance and Career Education or Cooperative Education\*
- Group 2:** additional credit in Business Studies or French as a Second Language\* or Health and Physical Education or Arts or Cooperative Education\*
- Group 3:** a Grade 11 or 12 Science credit or French as a Second Language\* or Technological Education or Computer Studies or Cooperative Education\*

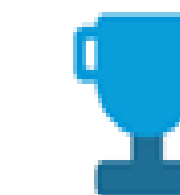
\* A maximum of two credits in Co-operative Education and two credits in French can count as compulsories

The framework of the Education and Career/Life Planning Program is a four-step inquiry process based on four questions linked to four areas of learning—Who am I? (Knowing Yourself); What are my opportunities? (Exploring Opportunities); Who do I want to become? (Making Decisions and Setting Goals); and What is my plan for achieving my goals? (Achieving Goals and Making Transitions).



### Who Am I?

Six comprehensive interest and career assessments



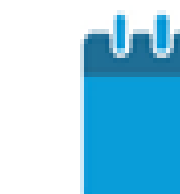
### Goal Setting

Create S.M.A.R.T. goals and a plan of action to stay on track



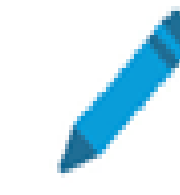
### Resumes & Cover Letters

Record experiences and export them for school or work



### High School Plan

Plan to graduate and discover the impact of course selections



### Post-Secondary

Research the opportunities available in every pathway



### Occupations

Compare extensive information on careers across Canada



### Budgets

Improve financial literacy and build an interactive budget

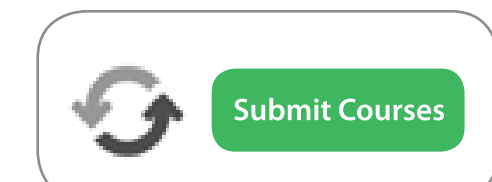


### Portfolios

Upload and share photos, files, and videos to multiple portfolios

Course Selection

Log in create an account to complete online course selection



## Additional Learning Opportunities

**Cooperative Education** – Cooperative education offers students an opportunity to earn high school credits through a course that integrates classroom theory and learning experiences in a workplace, which enables students to apply and refine the knowledge and skills acquired in a related high school course. [www.tdsb.on.ca/High-School/Your-School-Day/Curriculum/Experiential-Learning](http://www.tdsb.on.ca/High-School/Your-School-Day/Curriculum/Experiential-Learning)

**Dual Credit Program** – The dual credit program allows students the unique opportunity to enrol in a college-delivered course. Upon successful completion students earn both a college credit and a secondary credit. [www.tdsb.on.ca/programs/dualcredits](http://www.tdsb.on.ca/programs/dualcredits)

**E-learning** – E-learning allows students to enrol in one TDSB delivered online course per semester in conjunction with their other courses. The online classroom provides an innovative, relevant and engaging learning environment where students work independently and collaboratively. [www.tdsb.on.ca/High-School/Going-to-High-School/e-Learning](http://www.tdsb.on.ca/High-School/Going-to-High-School/e-Learning)

**E-learning Summer** – E-learning Summer is available to all Ontario residents, age 14-20. This free high school credit program is for Ontario secondary school students who wish to pursue secondary school credit courses online in July or August.

**Continuing Education** – TDSB offers an Academic Credit Night School Program two nights per week in two 15 week semesters. TDSB also offers summer school that runs for 4 weeks in the month of July.

**OYAP** – Ontario Youth Apprenticeship Program enables students in grade 11 or 12 to complete their OSSD requirements while starting their apprenticeship training in one of the skilled trades. Examples: ECE, Carpentry, Automotive, Plumbing. <http://oyaptdsb.com/>

**SHSM** – Specialist High Skills Major programs are Ministry approved programs that include a package of 8-10 required credits earned in Grade 11 or 12. Each major constitutes a pathway to one of the four destinations: apprenticeship training, college, university, or the workplace.



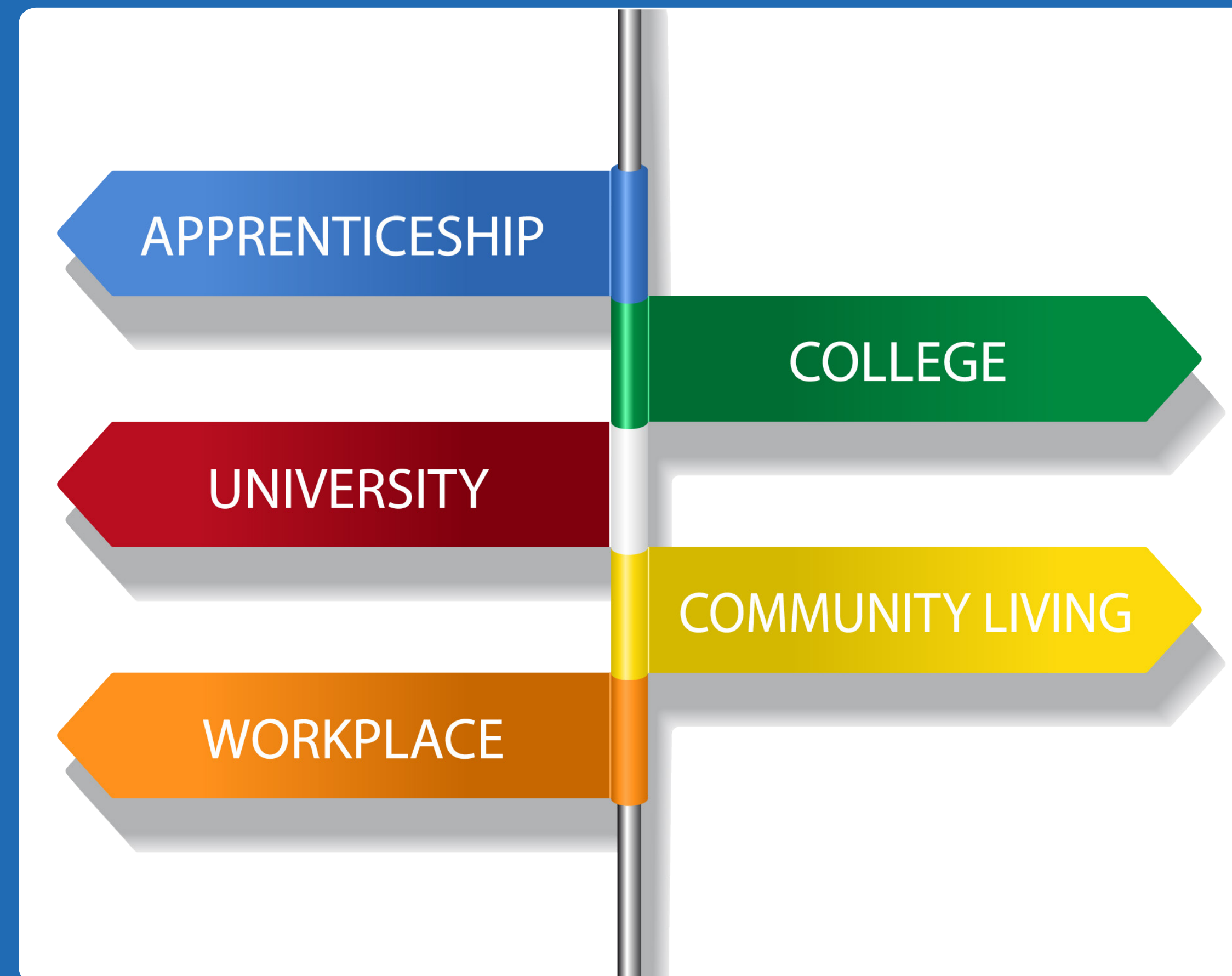
## Tips to be Successful

- Embrace a healthy life balance
- Understand what time management really means
- Choose extracurricular activities wisely
- Appreciate the importance of sleep
- Communicate with your teachers
- Eat well to feel better

## Optional Attendance

Students who reside within the City of Toronto have the right to attend a school which is designated to serve their residential address. The "Find Your School" section of the TDSB website identifies the designated schools for each residential address.

Students also have the opportunity to access schools other than their Home School by applying on Optional Attendance. Acceptance at these schools is subject to space availability and program suitability.



## TDSB

### Other Learning Environments/Programs

**Alternative Schools** – There are 17 alternative schools within the TDSB. Each of the schools differs in its approach to student learning and program structure. Their environments vary and are aimed at providing students with an alternative educational experience suited to meet their learning style/preferences and/or needs. Go to [www.tdsb.on.ca](http://www.tdsb.on.ca) click on Find Your school and then Alternative Schools for more information.

**EdVance Programs** – Offer programming to students who are 18 to 20 years of age and have been out of school for 6 months and have a minimum of 5 credits. There are 5 EdVance programs located throughout the GTA. Students can earn 12 credits in one.

**Year-Round Alternative Centres** - There are 4 centres in Toronto. They offer grade 9 to 12 credits in 9 to 10 week quads throughout the year. Students must be between the ages of 16 to 18.

**Adult Schools** – Offer high school credits for students aged 21 years or older. There are 5 schools throughout the City of Toronto. There are 4 quads a year and students can earn up to 12 credits a year.

## 5th Year Plan

Is it part of your plan to take five years in secondary school?

Do you want to do co-op, apprenticeship training (OYAP) and explore more options?

Although courses are organized into four grade categories, some students may take longer than four years to complete their diploma without repercussions to their future plans. All students may want to explore cooperative or technological education, OYAP, etc, and a fifth year of high school may be another planning option.

## What is your destination?

- APPRENTICESHIP
- COLLEGE
- COMMUNITY LIVING
- UNIVERSITY
- WORKPLACE

Research your post-secondary program requirements using the following tools: Myblueprint: post-secondary planner, [ontariocolleges.ca](http://ontariocolleges.ca); [www.ouac.on.ca](http://www.ouac.on.ca); [electronicinfo.ca](http://electronicinfo.ca); [ontransfer.ca](http://ontransfer.ca)

## Specialized Programs

- Advanced Placement/Pre-Advanced Placement
- Afrocentric
- Alternative
- Arts Focus
- Cisco/Nortel Systems
- Cyber Arts
- Cyber Studies
- Elite Athletes/Arts
- Extended or French Immersion
- Gifted
- Integrated Technology
- International Baccalaureate
- Leadership Pathways
- LEAP
- Math and Science Focus
- Media Arts
- Skills Enhanced
- Specialist High Skills Major