



Secondary 5 TS Mathematics

Teacher:	Email:	Phone:
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Textbook: In addition to the [teacher handouts and class notes](#), students will be assigned the [daily video lessons and homework on Math Help Services](#) <http://math-help-services.org>

Supplies: Loose-leaf, graph paper, pencils, eraser, ruler, scientific calculator (non-graphing). Ipads may be used in class to complete on-line homework.

<u>Evaluation:</u>	Term 1	Term 2	Term 3
Competency 1 → 30% “Solves a Situational Problem”	Term Evaluation	In Class Sit. Prob. (10%) December Exam (20%)	In Class Sit. Prob. (10%) End of Year S.P. Exam (20%)
Competency 2 → 70% “Uses Mathematical Reasoning”	Homework and Assignments (10%)	Homework and Assignments (10%)	Homework and Assignments (5%)
	Quizzes (10%)	Quizzes (10%)	Quizzes (10%)
	Class Tests (50%)	Class Tests (50%)	Class Tests (25%)
			End of Year Exam (30%)

The overall grade for the course will be calculated as follows:

Term 1 → 20%
Term 2 → 20%
Term 3 → 60%

*Please check the Loyola school calendar for dates and times of exams. *

Homework: Homework is assigned daily (20-30 minutes). Please note the review and practice of daily work is essential to understanding and retaining the information taught. Failure to complete homework may result in loss of marks and/or disciplinary action.

Assignments: Assignments will be given throughout each term. They must be completed and submitted to the teacher on time at the beginning of class. **NO LATE ASSIGNMENTS** will be accepted. Students who do not submit an assignment on time will receive a grade of 0%.

Tests: There are approximately 3 tests given each term. Tests must be completed in pencil and occasionally may be completed without the use of a calculator. If a student is absent for any test because of an illness or unexpected reasons, **he must make arrangements to write the test on the first day back in school.** Otherwise, the student will receive a grade of 0%. Students who miss tests will be asked to provide a doctor's note upon return to class.

Extra help: Extra Help is offered after school. Be sure to check teacher's availability on Moodle. Students can also make individual appointments with their teacher.

Course Content:

Conics

- Circles and Ellipses

Real Number Functions

- Quadratic function
- Absolute Value function
- Square Root function
- Greatest Integer function
- Rational function
- Piecewise functions

Exponential/Logarithmic Functions

- Graphing and Properties
- Growth and Decay
- Compound Interest
- Simplifying Logarithmic expressions
- Solving Logarithmic equations

Optimization

- System of inequalities
- Polygon of constraints
- Optimization of a situation

Trigonometric Function

- Arc length
- Sine function
- Cosine function
- Trigonometric word problems
- Trigonometric identities
- Trigonometric equations

Any questions or concerns should be addressed to Mr. Lam and/or Mr. Taddeo as soon as possible. Thank you and the best of luck during this academic year.