

## 2007/2008 Advanced Singapore Math Syllabus

**Instructor:** Miss Gephart

**Contact Information:**

E-mail: [kgephart@ridgeviewclassical.com](mailto:kgephart@ridgeviewclassical.com)

Phone: 494-4620 ext. 136

**Materials:**

3-ring binder, college ruled paper, pencils and erasers (**NO PENS!**), graph paper, compass, protractor, and ruler

**Organizational Hints:**

Make separate sections in your binder for certain things only.

Suggested sections:

1. Homework to be turned in.
2. Sponge activities (I suggest you keep all of them together. Every week you will be turning in the week's worth of activities. Keep the old and graded sponges at the front of the section. The Sponge you are working on should be the last one in the section.)
3. Class Notes
4. Graded tests and quizzes
5. Graded homework

**Expectations:**

- Assignments: An assignment will be given daily. Students have been given a planner by Ridgeview and students will be recording their daily assignments in this planner. Some of the assignments the students will be given enough time in class to finish, and others the students will need to take home and complete. They will be turned in to the instructor at the beginning of the next class period.
- Assessments: Students will be assessed through assignments, participation in class, and tests.
- Participation: Each student is expected to be a valuable and focused member in classroom discussions.
- Students will keep an organized 3-ring notebook with all class notes, completed assignments, and tests. Part of the homework grade will be occasional, surprise notebook checks. Stay organized!

**Classroom Rules:**

1. **Come to class prepared with these materials: completed homework, planner, pencils/eraser, binder, homework, Sponge activities, paper, and book.** (We will not be referencing the book daily, but I still want you to bring your book every day. This only benefits you! Your book is a very useful reference tool for additional information and extra practice problems.)
2. **There is no social talking during class.** (Conversation will be directed by me. If we are working as part of the large group, I will call on you if you are quietly raising your hand. There will be times when I will tell you to work as a small group or with a partner. Choose your partners wisely! This is productive, collaborative work time, not social time.)
3. **Make good choices!** Poor choices will have the appropriate consequence and you will take ownership of your choices. Possible consequences include, but are not limited to, lunch detention, students calling home to report poor choices, or pink slips.
4. **Respect yourself and the others around you.** Everyone in the class is entitled to respect, including yourself! Do not make poor choices that are going to hinder the education of yourself or others.

## Grading Policy:

- Assignments will be graded based on student comprehension and completion. Students must **SHOW THEIR WORK** for full credit on assignments. If a student has attempted every problem on that particular homework assignment, but did not get full credit on the assignment, the student has **two days** after the assignment has been passed back to redo the assignment for up to full credit. **In order to resubmit the assignment, the student must staple the problems being redone to the top of the old assignment and write REDO at the top of his/her paper.**
- Tests will be given at the end of a unit to monitor student comprehension and accuracy. Students are allowed one test redo per quarter (If the student has consistently turned in his/her assignments to the best of his/her ability). In order to be eligible for a test redo, students must schedule a time to come in and go over the entire test with me. Students have no more than 5 class days to redo the test.
- 40% of the class will be homework, opening activities (Sponge), notebook checks, and class projects. 10% will be based on class participation. Points will be awarded based on attitude, having homework completed on time, cooperation and effort in group projects, and contribution made to discussion in class. 50% will be based on performance on quizzes and tests.

The above grading policy is valid if and only if a basic skills assessment is passed. During the fourth quarter of school, any student may request to take the basic skills assessment to show Ridgeview Classical Schools that he/she has fulfilled the minimum requirements for the present course and is ready to take on the challenge of the next mathematics course. This assessment will take two class periods and a score of 70% must be achieved to pass the course. If one passes the basic skills assessment and maintains the expectations of the classroom, a grade of C- is guaranteed in the class. If one does not pass the assessment, he/she may take another basic skills assessment however must wait a minimum of two weeks before doing so. If one does not pass the basic skill assessment, he/she can receive a maximum grade of a D+ and must repeat the course.

\*\*For Pre-, Basic, and Advanced Singapore courses, the date of the basic skills assessment will be predetermined by the teacher. Students who do not pass it on the first try will be given a second chance at a later time.

## Course Topics:

Algebra:

- 1.1 System of Numeration
- 1.2 The Four Operations

Algebra (and Estimation)

- 4.7 Mental Calculations
- 2.7 Estimation
- 2.5 Approximation
- 2.4 Decimals
- 2.6 Conversions between Fractions and Decimals
- 3.4 Estimation in Daily Life Situations

Algebra (and some Geometrical Applications):

- 2.1 Fractions
- 7.1 Rate and Speed
- 7.2 Ratio
- 14.3 Scale Drawing
- Chapter 13 Volume, Surface Area, and Density
- 7.3 Direct and Inverse Proportions
- 7.4 and 7.5 Percents and their applications
- 1.9 Basic Number Laws

4.1-4.6 Negative Numbers, Integers, Real Numbers, Order of Calculations  
2.2 Addition and Subtraction of Fractions  
1.3-1.6 Factors/ Multiples/ Least Common Multiple/ Highest Common Factor  
2.3 Multiplication and Division of Fractions  
3.1-3.3 Units of Measure  
Chapter 6 Open Sentences and Equations

Algebraic Equations (and Geometry):

1.7 Number Patterns  
1.8 Variables  
Chapter 5 Simple Algebraic Expressions  
Chapter 9 Introducing Geometry  
11.1-11.4 Symmetry and Patterns  
14.1 Similar and Congruent Figures  
14.2 Designs and Tessellations  
Chapter 12 Area and Perimeter  
11.5 Nets of Solid Figures  
Chapter 13 Volume, Surface Area, and Density  
Chapter 10 Polygons

**Absence Policy:**

- If a student is absent, he/she is responsible for approaching the teacher to get the missed assignments. The student has two days to make up a missed assignment.
- If a student is absent on the day of the test, it is the student's responsibility to approach the teacher and schedule a make-up time within 5 days of returning to school.

Note: The instructor reserves the right to modify this syllabus at any time in the best interest of the students. An electronic copy of this syllabus is available at [www.ridgeviewclassical.com](http://www.ridgeviewclassical.com)

**Directions:** Once you and your student have read and discussed the syllabus, please return ONLY this portion of the syllabus to Miss Gephart.

Printed Name of Student: \_\_\_\_\_

Printed Names of Parents/Guardians: \_\_\_\_\_

Preferred phone number for contact (if this is a cell phone, please provide the owner's name):

\_\_\_\_\_

Email Address: \_\_\_\_\_

I have read and understand the 2007/2008 Basic Singapore Math Syllabus. By signing below, I acknowledge that I, the student, understand the expectations to come to class with all necessary materials, be prepared to learn with a positive attitude, and be willing and ready to contribute to the class.

Signature of Student: \_\_\_\_\_

Signature of Parent/Guardian: \_\_\_\_\_

Thank you and I look forward to a great year!