Don Mills

Spirit of Math schools

"To promote cooperation, inspire confidence and release the genius in every child."

REGISTRATION PACKAGE

Registration begins April 20th, 2008. Registration will continue throughout the year

NEW STUDENTS: Require an interview prior to registration; please call (416) 291-1330 to schedule an appointment.

PLEASE BRING THE FOLLOWING WITH YOU WHEN YOU REGISTER:

- Completed registration form (enclosed).
- Non-refundable registration fee of $25 per family dated the day of registration.
- Post-dated cheques for August 24th, 2009, October 26th, 2009, December 28th, 2009 and March 22nd, 2010. Make cheques payable to Spirit of Math Schools Don Mills.
- NEW STUDENTS: a copy of the most recent report card.

Please note – New students will require an admittance interview before registration. Please have your child accompany you at this time. It is mandatory that a copy of the student's most recent report card be brought to the interview.

The entire registration package may be downloaded from our website (www.spiritofmath.com) for your convenience.

GENERAL INQUIRIES: (416) 291-1330

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Dear Students and Parents,

The entire staff at Spirit of Math Schools want to thank returning parents and students for the efforts made during the past year to help make the time spent with Spirit of Math so valuable. The academic successes that have resulted are largely due to both the strong efforts of students and to the positive and consistent assistance given at home.

If this has been your first year with us, we hope that you enjoyed the opportunity to meet others, that you appreciated the challenge, and that you achieved the success you anticipated. For all those of you returning to continue your studies at Spirit of Math, and also for those who will be new to the programme in the fall, we trust that the coming year will be one of significant progress in your mathematical aptitude.

Many former students have shared testimonies with us stating that the challenges here at SMS, and the holistic approach to education, has enabled them to achieve personal goals beyond what they believed they could otherwise have accomplished – we hope this will be your experience as well.

We thank you for helping Spirit of Math establish itself as a standard of excellence in mathematics in Canada.

We welcome all students to the 2009-10 school year.

Kim Langen
Co-Founder & CEO, Spirit of Math Schools Inc.

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ENTRANCE SKILLS GRADES 1 - 3

GRADE 1

Skills:

- Ability to read at a Grade Two level minimum (for problem-solving purposes)
- Ability to copy text from blackboard for simple note-taking
- Ability to work independently for a minimum of 15 minutes
- Ability to work co-operatively in groups

Knowledge:

- Basic geometric shapes: square, rectangle, circle, triangle
- Number facts (addition and subtraction) to 10, with understanding of extensions to 100

GRADE 2

Skills:

- Ability to read with understanding at a Grade Four level minimum
- Ability to make notes by copying text from blackboard or through oral dictation
- Ability to follow directions independently from written instructions
- Ability to work independently for a minimum of 30 minutes
- Ability to work co-operatively in groups

Knowledge:

- Multiplication facts to 6
- Short multiplication of two digits by one digit
- Addition with carrying – to three digits
- Subtraction with borrowing – to three digits
- Problem solving involving two operations

GRADE 3

Skills:

- Ability to read/write at a Grade Six level minimum
- Ability to copy text from blackboard or through oral dictation
- Ability to follow directions from written text or oral instructions
- Ability to work independently for a minimum of 30 minutes
- Ability to work co-operatively in groups, taking a leadership position

Knowledge:

- Short multiplication and division operations to 9
- Understanding of all 4 operations (addition, subtraction, multiplication, division)
- Problem solving to Grade Six level
- Relocation property
- Signed numbers (addition, subtraction, multiplication and division)

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CURRICULUM OVERVIEW GRADES 1-6

	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6
Drills	• Regrouping • Short addition • Short multiplication • Integer addition • Short division • Super Speed addition	• Short addition • Short multiplication • Integer addition • Short division • Super Speed addition • Long multiplication	• Super Speed addition • Short addition • Short multiplication • Integer addition • Short division • Fractions to decimals • Long multiplication • Long division • Perfect squares	• Super Speed addition • Short multiplication • Integer addition • Short division • Long multiplication • Long division • Perfect squares	• Short multiplication • Short division • Long multiplication • Long division	• Long multiplication • Long division • Perfect squares to 60^2 • Decimal equivalents
Problem Solving	• Tangrams • All But • Cuts and Pieces • Counting and numbering • Venn diagrams • Shapes • Presentation techniques • Date Problems • Pathways	• Consecutive pages • Palindromes • Date Problems • Heads and legs • Venn diagrams • Sum of a series • Regions in a circle • Ratio • Probability • Presentation techniques • Pathways	• Pascal sequence • Fibonacci sequence • All But, Date Problems • Cuts and Pieces • Venn diagrams • Average • Presentation techniques	• Consecutive numbers • Probability • Handshakes • Venn diagrams • Heads and Legs • Arrangements of letters • Pathways • Ratio • LCM • Regions in circles	• Problems are integrated in the Number Theory section of the course • Independent assignments are discussed in class	• Independent assignments are discussed in class
Number Theory	• Addition regrouping • Alphametrics • Integers – addition and subtraction • Multiplication • Magic Squares • Fractions	• Regrouping • Addition of integers • Prime numbers • Prime factors • Fractions with number lines	• Regrouping • Addition of integers • Relocation with division and multiplication • Perfect squares • Prime numbers, factoring • Fractions	• Relocation with addition, subt'n, mult'n and division • Prime numbers and factoring • Tests of divisibility • Least Common Multiple • Geometry	• Relocation Property • Signed Numbers • Order of Operations • Factors, Multiples and Primes • Number Sets	• Rationals • Ratio, rate, percent and proportions • Geometry
Independent Assignments	• Assignment of the Year • Wee Wizards • Problem Poster Project • Mighty Mathematicians	• Assignment of the Year • Black and Orange Gumdrops • Wise Wizards 1 • January Thaw • Problem Poster Project • Mighty Mathematicians	• Assignment of the Year • Joanie and Jetsie • Wise Wizards 2 • Little Spirit • Problem Poster Project • Famous Mathematicians	• Grade Four Problem Sets A and B • These Will Haunt You • Assignment of the Year • Wise Wizards 3 • Problem Poster Project • Famous Mathematicians	• CNML competitions • Mastermind A/B • 50 Mix • Assignment of the Year	• Grade 6 Problems • Brain Bogglers • Mind Benders

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CURRICULUM OVERVIEW GRADES 7-12

	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Drills	• Perfect squares • Decimal expansions	• Percent calculations		• Radians and degrees		
Core	• Identifying and Counting Shapes • Arrangements of Letters in a Word • Pathways with Factorials • Pascal's Triangle • Patterns • Problem Solving with Prime Factoring • Measurement • Number Bases • Venn diagrams	• Radicals • Algebra (including equations, inequations, functions and binomial expansion) • Linear relations including the Euler Line • Equations and inequations • Exponents & exponentials	• Factoring polynomials • Graphing techniques • Solving systems of equations • Absolute value	• Trigonometry • Logarithms • Complex numbers • Sketching curves • Matrices • Conics	Calculus: • Limits • Derivative Rules • 2nd and 3rd degree derivatives • Implicit differentiation • Partial differentiation • Derivatives of logarithmic, exponential and trigonometric functions • Maximum-Minimum problems • Rates of Change Problems • Curve Sketching • Integrals and applications	Advanced Problem Solving
Independent Assignments	• Math Challengers	• Jet Sets	• Pascal Package • Big 100	• Alphametrics • Math Challengers • Geometry Mania		

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STUDENT AND PARENT EXPECTATIONS

STUDENTS

1. Notes

- Spirit of Math does not use textbooks. This means that when you study for tests and exams, the only thing you will have to refer to is your own notes – so take the time this year to take careful notes.
- Date each page.
- Include proper titles that are underlined.
- Make your notes clear and readable.
- If you are sick, make sure that you have copied the notes from someone else, and check in with your teacher if you are in doubt about something.
- Write all your notes in pencil.

2. Homework

- Complete all your homework from week to week. Not completing homework means that you won't be able to keep up with the class.
- Serious students do their homework. If you do not consistently do your homework, you will be asked to leave, in order to provide the space for another student to take the class.
- Students will be put on probation if their homework isn't completed 3 times.
- If you have tried the homework, but can't do it, you need to show your work (whether correct or incorrect), or it will be considered not done.
- All major assignments must be handed in. Any assignment handed in later than one week late will be given a zero mark.

3. Co-Operative Working

- Work within your designated group during class time.
- Share your ideas with the class and listen to others.
- Work with your parents at home.

4. Study for Tests

- Try to do your best.
- Review all your notes before the test.
- If you are going to be absent from a test, make arrangements with your teacher to do the test at another time; before the following week when the test will be taken up.

PARENTS (GRADES 1-8)

1. A parent's involvement can add so much to their child's education and can be a valuable asset to their child's learning. You are welcome to observe the classes by sitting at the back of the class. This allows you to take your own notes and watch your child at work. Your presence also contributes positively to the ethos of the class.
2. We have found that those children who get extra help at home succeed. We encourage you to help your child at home.
3. Help keep your child's notebook tidy.
4. Do not give your child only the answer – give them help with the process and let them figure out the answer.

DON MILLS TUITION AND CLASS SCHEDULE

POST-DATED CHEQUE DATES

Please make cheques payable to **Spirit of Math Schools Don Mills** and include student's name and class in memo portion of cheque.

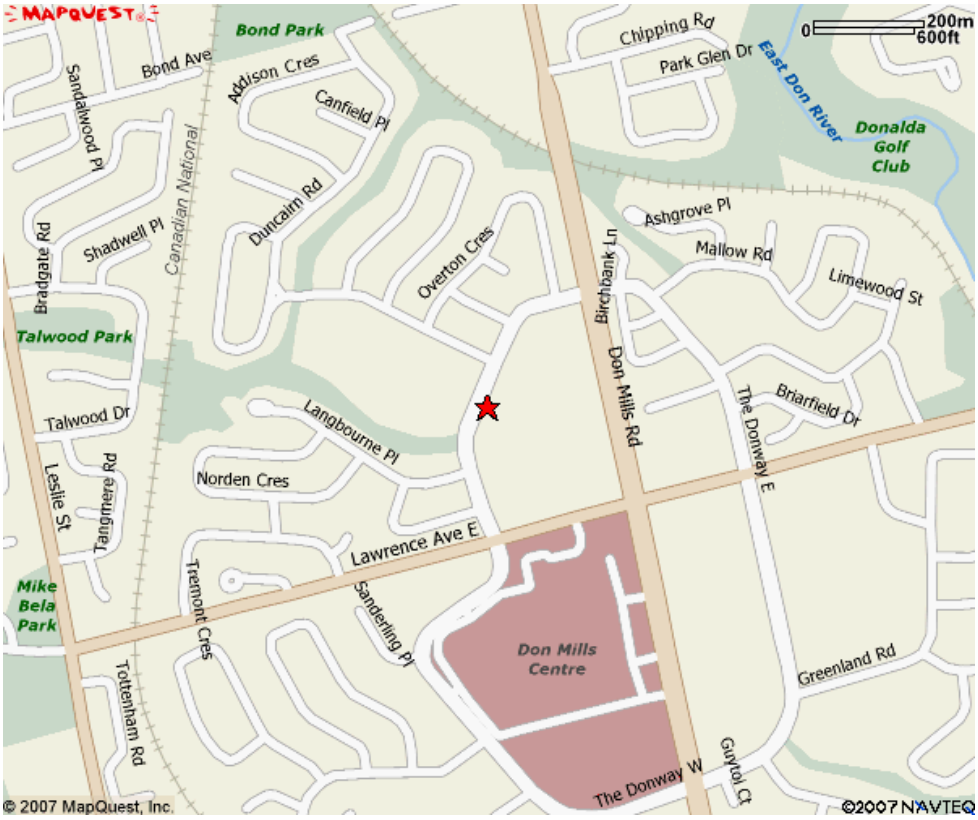
There is a $25/family fee due at time of registration.

Payment Date	Amount	Sibling Amount (20% discount) Applies to youngest sibling(s)	Number of Classes
August 24th, 2009	$360 *$480	$288 *$384	August 31st – October 22nd (8 weeks) *Two hour classes only: Grades 9–11
October 26th, 2009	$360 *$480	$288 *$384	October 26th – December 17th (8 weeks) *Two hour classes only: Grades 9–11
December 28th, 2009	$450 *$600	$360 *$480	January 4th – March 11th (10 weeks) *Two hour classes only: Grades 9–11
March 22nd, 2010	$585 *$780	$468 *$624	March 29th – June 24th (13 weeks) *Two hour classes only: Grades 9–11

SPIRIT OF MATH SCHOOLS DON MILLS – 230 THE DONWAY WEST (LAWRENCE & DON MILLS)

Monday		Tuesday		Wednesday		Thursday	
				4:30 – 6:00	6:15 – 7:45	4:30 – 6:00	6:15 – 7:45
				Grade 1	Grade 2	Grade 6	Grade 5
				Grade 3	Grade 4	Grade 7	Grade 8
				Grade 5	Grade 6		

LOCATION: The Donway Covenant United Church
230 The Donway West (Don Mills & Lawrence)



CLASS CONFIRMATION

The following students have been registered for the stated classes.
This is your confirmation that they have been registered.

STUDENT NAME	CLASS	TIME	STARTING DATE	LOCATION	SMS INITIALS

The first day of classes is September 2nd, 2009.

Please remember to bring the following with you:

- ☐ Sharpened pencils
- ☐ Erasers
- ☐ Red and blue pens
- ☐ Lined, three-ringed paper
- ☐ Straight edge (e.g. ruler)
- ☐ Calculator – only for grades 6 and above

Spirit of Math Schools Don Mills
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