



That One Math Guy
Math Registration 2021 - 2022

Course Selection:

- Math Fundamentals (Wed 9:30 - 11:00 Raleigh)
- Math Fundamentals (Thu 11:00 - 12:30 Cary/Holly Springs/Apex)
- Pre-Algebra (Mon 3:00 - 4:30 Raleigh)
- Pre-Algebra (Thu 9:30 - 11:00 Cary/Holly Springs/Apex)
- Algebra I (Tue 9:30 - 11:00 Cary/Holly Springs/Apex)
- Algebra I (Wed 11:00 - 12:30 Raleigh)
- Geometry (Mon 11:00 - 12:30 Raleigh)
- Geometry (Tue 11:00 - 12:30 Cary/Holly Springs/Apex)
- Algebra II (Tue 1:30 - 3:00 Cary/Holly Springs/Apex)
- Algebra II (Wed 1:30 - 3:00 Raleigh)
- Pre-Calculus (Mon 9:30 - 11:00 Raleigh)
- Pre-Calculus (Thu 1:30 - 3:00 Cary/Holly Springs/Apex)
- Calculus & Trigonometry (Mon 1:30 - 3:00 Raleigh)
- General Biology - High (Tue 3:00 - 4:30 Cary/Holly Springs/Apex)
- General Chemistry - High (Wed 3:00 - 4:30 Raleigh)
- General Physics - High (Thu 3:00 - 4:30 Cary/Holly Springs/Apex)

Student Information:

Name: _____ Nickname: _____
(First) (Last)

Address: _____

Age (by Sep 1st): _____ DOB: _____
MM/DD/YY

Allergies or relevant medical conditions: _____

Previous math class: _____

Any math-related concerns: _____

Parent Contact Information:

Mother/Father name(s): _____

Phone: _____ Email: _____
(Area Code)

Emergency Contact: _____ Relationship to student: _____

Class Locations:

Raleigh: 2300 Mt Vernon Church Rd, Raleigh, NC 27614

Cary/Holly Springs/Apex: The Forge Initiative, 2172 N Salem St, Suite 001 Cary, NC 27523

Disclosure:

While class time is critically important to a student's understanding and success, it cannot eliminate the individual work and study each student must accept to gain mastery of higher-level mathematics. To serve this purpose, each weekly lesson will be supplemented with an assortment of related assignments which must be completed at home. Parents must accept responsibility to proctor periodic tests at home as well.

Parent signature: _____ Date: _____

Student signature: _____ Date: _____

More class information will be made available through our website, www.thatonemathguy.com starting in August. Please ensure your email and other contact information is correct. Failure to provide a monitored email address may affect correspondence and the distribution of valuable materials and information.

Please complete and return this form with a \$50 deposit to complete registration. In addition, there is a one-time materials fee of \$50 to cover location costs and various online resources. Parents enrolling multiple students should complete an individual registration form for each. The remaining balance may be paid in full by September 30th or in nine monthly installments of \$55 due by the 15th of each month (September through May). Please indicate your preferred payment plan:

- Full Payment (one-time \$550, or \$450 after \$50 deposit & \$50 materials)**
- Semester Payment (two \$225 payments after \$50 deposit & \$50 materials)**
- Monthly Installments (nine \$55 payments after \$50 deposit & \$50 materials*)**

Tuition payment can be made either by check, paypal ([PayPal.Me/thatonemathguy](https://www.paypal.com/US/mx/checkout?nextaction=execute)), or through the website. Please use the Friends & Family option if using PayPal because I desperately need friends.

*Please note, the remaining balance must be paid or payment plan established once families fall 60 or more days behind in the monthly installment plan.

Registration forms can be emailed (ndsorenson@gmail.com) or mailed. Please mail deposit payments (and subsequent payments if applicable) to:

Nate Sorenson
1232 Cane Creek Dr
Garner, NC 27529

Thank you so much for the opportunity to teach your child. I do not take the responsibility lightly and will do my absolute best to provide the best learning environment possible. If you have questions, please do not hesitate to email me (ndsorenson@gmail.com) or call (919-520-5110).

That One Math Guy

Homeschool Classes 2021-2022

Math is terrible. Wait... that's probably not the best first impression... Let me try that again.

Math is... terrible. Ok, let me try a different approach.

We have all been there: wrestling with a child expertly displaying Ghandi-like passive resistance to math. They whimper, they moan. They procrastinate. They make the sorrowful melodies of a wounded sea lion. And finally, they ask the question you dread. That annoying question for which you have no ready, sufficient reply.

“Why?”

Other subjects seem so rich and naturally inquisitive. Other subjects are immersive and lend themselves to natural excitement. Math seems like a system of rules for a game no one really wants to play. No one knows the rules for Monopoly, we just play. We don't care that the thing where you get all the money when you land on 'Free Parking' is not a thing (Go ahead, look it up... it's not a thing!). You know who cares? Math cares.

The truth is, many parents dread math just as much as their children. Perhaps even more so. We hate subjecting our children to academic, regimented torture. Often, that formulaic, uninspired approach to learning is the very reason we avoid public schools. Math is frustratingly inflexible and unaccommodating. It is so easy to avoid it though, to brush it off and place math into a quiet, foreboding corner. But it is there. It is always there.

Over time, our anxiety grows. We feel insufficient to teach those ephemeral rules. We feel powerless, helpless, and eventually paralyzed. Certainly, there are many families perfectly capable of teaching higher level math, families with the skills and experience necessary to navigate those treacherous, variable-filled waters. For many, however, we feel compelled to constantly re-learn the unique set of rules and disciplines that define higher math. And it isn't fun. It is just necessary.

Over the last fifteen years, I have developed a program that makes math fun and intuitive. Rather than teach superficial rules and patterns, I teach math intuition and fluency. I work with students to heighten their problem solving skills and general analytical abilities that translate into better performance in other subjects. I engage students, keeping their minds active and aware. And we play. And we have fun.

Schedule & Course Descriptions

That One Math Guy 2021-22 Schedule

Monday	Raleigh
9:30 - 11:00	Pre-Calculus
11:00 - 12:30	Geometry
1:30 - 3:00	Calculus & Trigonometry
3:00 - 4:30	Pre-Algebra

Wednesday	Raleigh
9:30 - 11:00	Math Fundamentals
11:00 - 12:30	Algebra 1
1:30 - 3:00	Algebra 2
3:00 - 4:30	General Chemistry

Tuesday	Cary/Holly Springs/Apex
9:30 - 11:00	Algebra 1
11:00 - 12:30	Geometry
1:30 - 3:00	Algebra 2
3:00 - 4:30	General Biology

Thursday	Cary/Holly Springs/Apex
9:30 - 11:00	Pre-Algebra
11:00 - 12:30	Math Fundamentals
1:30 - 3:00	Pre-Calculus
3:00 - 4:30	General Physics

All That One Math Guy classes consist of both in-person instruction and live online streaming. Families have the option to either attend a physical, immersive space or participate electronically through a ZOOM portal that allows students to fully interact with the instructor as well as other students. Complete class videos and notes are posted nightly to allow students to instantly review difficult material or catch up due to absence.

All courses include weekly homework and quiz assignments to give students the opportunity to practice concepts. These assignments also promote a sense of accountability and allow for weekly evaluation. All assignments are graded automatically and include answer keys.

While all of this certainly sounds impressive (and it is... and we haven't even talked about Nate yet), what truly separates our classes from others is the often lateral and certainly untraditional dynamic of the instruction. In simple terms, our courses naturally do what common core attempts to do artificially. Coursework is completely integrated to provide greater perspective and enliven our lessons. Lessons utilize real-world analogies and applications to ground math concepts upon a more familiar foundation. To put it plainly, courses will not blindly follow common core. By the time you read this, the details of 'common core' will probably be different anyway. Courses use a textbook to provide a basic framework and roadmap, but will not be hamstrung by it. Textbook purchase is completely optional. To say it a little more bluntly, don't.

Each course will offer a supplemental website featuring textbook inspired worksheets, weekly supplemental assignments, automated online homework and quizzes, an archive of full class videos, schedules, class notes, and other general information. In addition, every parent will have access to a

private portal through [schoolology.com](https://www.schoolology.com) to monitor their child's grades. You will never be left in the dark. Unless you want to be. You will never be left to wonder about your child's assignments, progress, and current grades. As homeschool parents, I understand the comfort of being in control of your child's education. With the website, you will always be one (or two) clicks away.

This year we are offering seven different math courses, across all middle and high school grade levels. Science courses are also available. Other courses may materialize based on need and interest. All courses are dependent on achieving a minimum level of student interest. Each course will generally have between 8-12 students, though some may be as large as 16-20. Courses failing to achieve a roster count of 8 or more by August 1st are in danger of being dropped. In that event (which has literally never happened), all families will receive a complete refund.

Finally, our 2021-2022 course catalogue:

Math Fundamentals

Math Fundamentals reviews basic math fluency and computation in preparation for more intense variable problem solving in Pre-Algebra. Students' time will be divided between general lessons and personalized work to strengthen skills and ensure a solid foundation heading into higher level math. This course is ideally suited for middle students who are behind, struggling, or have felt constricted by math curriculums that have just never worked.

Relevant Grade Levels: 5th - 7th **Schedule:** Wed 9:30 - 11:00 (Ral), Thu 11:00 - 12:30 (CHA)

Pre-Algebra

Is your child fairly fluent in math, but not quite ready for algebra? Pre-algebra introduces algebraic concepts at a slower, more manageable pace while simultaneously ensuring mastery of essential foundational skills. Pre-algebra represents an effective bridge between middle and high school level math.

Relevant Grade Levels: 6th - 8th **Schedule:** Mon 3:00 - 4:30 (Ral), Thu 9:30 - 11:00 (CHA)

Algebra I

This course covers variable equation manipulation, graphing linear equations, high-level number sense, and word problems involving one and two step procedural problem solving. All the hits! This class generally serves as an introduction to more intense, more involved math courses. Algebra I is for high level 7th/8th graders or 9th graders.

Relevant Grade Levels: 7th - 9th **Schedule:** Tue 9:30 - 11:00 (CHA), Wed 11:00 - 12:30 (Ral)

Geometry

This course involves solving for area, volume, segment length, and angle measurements. This course reviews logic-based proof modeling using various algebraic and geometric theorems. Geometry introduces trigonometric concepts and promotes mastery of polygon structures and relationships. This course is designed for high level 9th graders or 10/11th graders.

Relevant Grade Levels: 9th - 11th **Schedule:** Mon 11:00 - 12:30 (Ral), Tue 11:00 - 12:30 (CHA)

Algebra II

Algebra 2 advances skills and techniques originally explored in Algebra I as well as focusing on modeling and more intense, higher degree equations and inequalities. This course involves evaluating quadratics for vertex, roots, asymptotes, and lines of symmetry. Algebra 2 is intended for high level 10th graders or 11/12th graders, generally as a precursor to Pre-Calculus.

Relevant Grade Levels: 10th - 12th **Schedule:** Tue 1:30 - 3:00 (CHA), Wed 1:30 - 3:00 (Ral)

Pre-Calculus Algebra & Trigonometry

Pre-Calculus College Algebra & Trigonometry is designed to prepare students for calculus and refine their knowledge of geometric principles. The first half of the course reviews advanced functions and modeling while the second half covers trigonometric proofs and reasoning required in calculus. This course is intended for high level 11th graders or college-ready 12th graders.

Relevant Grade Levels: 11th - 12th **Schedule:** Mon 9:30 - 11:00 (Ral), Thu 1:30 - 3:00 (CHA)

Calculus

Calculus is an intense, rigorous college level course that covers limits and continuity, derivatives and its applications, integrals and its applications, and differential equations. This course also integrates calculus concepts with real-world applications. Successful completion of this class will serve as extraordinary preparation for the AP Calculus AB examination.

Relevant Grade Levels: 11th - 12th **Schedule:** Mon 1:30 - 3:00 (Ral)

General Biology

General Biology offers an exhaustive survey of general principles found in life sciences. This course explores the chemical context of life, cell biology, cellular respiration, genetics, and the mechanisms of evolution. General Biology is an intense course that prepares students for the rigors of college level curriculum.

Relevant Grade Levels: 9th - 12th **Schedule:** Tue 3:00 - 4:30 (CHA)

General Chemistry

This course is designed to encourage mastery of the essential concepts of chemistry and the relationship between energy and matter. Most classes will focus on practical applications, physical demonstrations, and a basic understanding of the subatomic world. Utilizing higher level math concepts to characterize chemical change, this class serves high school students from grades 9-12. Prerequisite: Algebra 1 and/or teacher approval.

Relevant Grade Levels: 9th - 12th **Schedule:** Wed 3:00 - 4:30 (Ral)

General Physics

Our General Physics course provides an exhaustive and challenging survey of many of the mathematical relationships found throughout the physical world. Designed for students with higher level math abilities, this class offers an ideal preparation for college sciences. This course is divided into four major components: general mechanics and translational motion, forces, energy, and electricity. Prerequisite: Algebra 1 and/or teacher approval.

Relevant Grade Levels: 9th - 12th **Schedule:** Thu 3:00 - 4:30 (CHA)

Pricing

Each course is essentially \$550. This includes \$450 in tuition, a \$50 deposit, and a \$50 materials, location, and technology fee. Every measure is taken to reduce expenses and provide families with exceptional value.

There are three payment options: full payment, semester payment, or monthly payment.


Full Payment: Complete balance is required by September 30th. This includes the \$50 deposit at registration and a \$50 materials fee due September 1st.

Semester Payment: Tuition is divided into two equal payments of \$225 due September 30th and January 31st. A separate \$50 deposit is required at the time of registration and a \$50 materials fee due September 1st.

Monthly Payment: Tuition is divided into nine equal monthly payments of \$55 after a \$50 deposit due at registration and \$50 materials fee due September 1st. Monthly payments are due by the 15th of each month, September through May. Please note, this plan includes a \$5 monthly convenience fee. Selecting this plan results in a total charge of \$595.

Class Locations

Mondays and Wednesdays: Raleigh (Ral) - The Barn, 2300 Mt Vernon Church Rd, Raleigh, NC 27614

Tuesdays and Thursdays:  Cary, Holly Springs, Apex (CHA) The Forge Initiative, 2172 N Salem St, Suite 001 Cary, NC 27523

Registration Deadlines

Current families will have access to a one week priority enrollment period from April 17th to the 24th. Open enrollment will begin on April 24th and extend through the summer. All classes must achieve a minimum enrollment of 8 students by August 1st in order to be finalized. Classes failing to achieve this minimum threshold are in danger of being removed from the schedule.

Classes will be capped at 16 in-person students. Students attempting to enroll into closed classes will be placed on a waiting list and given an online-only option.

Recommendations

The following are recommendations for existing TOMG families following a traditional math sequence. Please feel free to contact us if you would like a more individualized suggestion.

Current Class	Suggested Class
Mon 9:30 Algebra 2 (M-A2)	Mon 9:30 Pre-Calculus (Raleigh)
	Thu 1:30 Pre-Calculus (Cary)
Mon 11:00 Algebra 1 (M-A1)	Mon 11:00 Geometry (Raleigh)
	Tue 11:00 Geometry (Cary)
Mon 1:30 Pre-Calculus (M-PC)	Mon 1:30 Calculus & Trig (Raleigh)
Mon 3:00 Math Fundamentals (M-MF)	Mon 3:00 Pre-Algebra (Raleigh)
	Thu 9:30 Pre-Algebra (Cary)

Current Class	Suggested Class
Tue 9:30 Pre-Algebra (T-PA)	Tue 9:30 Algebra 1 (Cary)
	Wed 11:00 Algebra 1 (Raleigh)
Tue 11:00 Algebra 1 (T-A1)	Tue 11:00 Geometry (Cary)
	Mon 11:00 Geometry (Raleigh)
Tue 1:30 Geometry (T-G)	Tue 1:30 Algebra 2 (Cary)
	Wed 1:30 Algebra 2 (Raleigh)

Current Class	Suggested Class
Wed 1:30 Algebra 2 (W-A2)	Thu 1:30 Pre-Calculus (Cary)
	Mon 9:30 Pre-Calculus (Raleigh)

Current Class	Suggested Class
Thu 11:00 Pre-Algebra (TH-PA)	Wed 11:00 Algebra 1 (Raleigh)
	Tue 9:30 Algebra 1 (Cary)
Thu 1:30 Geometry (TH-G)	Wed 1:30 Algebra 2 (Raleigh)
	Tue 1:30 Algebra 2 (Cary)
Thu 3:00 Algebra 2 (TH-A2)	Mon 9:30 Pre-Calculus (Raleigh)
	Thu 1:30 Pre-Calculus (Cary)

About Nate

Nate is a pretty amazing guy. He has taught math for over fifteen years, assisting in the development of various educational websites and charter school programs. Nate also specializes in teaching at-risk students with learning and behavioral disabilities, including (but not limited to) autism and ADD/ADHD.

Nate graduated *summa cum laude* from North Carolina State University with a degree in Biology and a perfect grade point average. Yeah, perfect. Winner of the 2012 Thank-A-Teacher program at NC State, he is also a distinguished member of Phi Beta Kappa. When he is not teaching math, Nate teaches an alternative biochemistry lecture series used by thousands of college undergraduate and graduate students throughout the country.

Renown for his wit and unique teaching style, Nate has been helping families within the triangle area for 9 years. He is also a writer, performer, and runs like a gazelle. A fast gazelle. Not one that can be chased down by lions. He runs like a gazelle that runs faster than lions. See... told you he was amazing. And he probably isn't even the one writing this biography. Because that would be awkward. Awkward and entirely untrue (he's so writing this).

About Religion

Several parents have asked about my personal beliefs as it pertains to religion. I understand and appreciate the incredible opportunity I have to help your child(ren) grow and become better, more active thinkers. I also respect the awesome responsibility of raising children. I would never superimpose my own personal beliefs on your child. I have full confidence in your abilities as parents. You know, far better than I ever could, the best way to raise and support your individual child. I'm just here to teach math and science. And tell jokes. Mostly tell jokes.

While I will not impress my own beliefs, I will strongly protect your child's ability to express their own. It is incredibly important to me that every child feels comfortable and confident during class. I want every student to feel the freedom to express themselves and their ideas. At the end of the day, however, the course is about bettering students. It is not a vehicle for me to mount a soapbox and preach my own philosophy about faith and religion.

Tutoring

Private tutoring will be available on Fridays upon request. Please email Nate if you are interested in regular sessions throughout the summer or school year.

Questions?

If you still have questions, please feel free to ask them at ndsorenson@gmail.com. If it's about the whole gazelle thing... no gazelles were harmed. Promise.

2021 - 2022 TOMG School Calendar

August 2021						
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September 2021						
Su	Mo	Tu	We	Th	Fr	Sa
		1	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

October 2021						
Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

November 2021						
Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

December 2021						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

January 2022						
Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

February 2022						
Su	Mo	Tu	We	Th	Fr	Sa
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					

March 2022						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

April 2022						
Su	Mo	Tu	We	Th	Fr	Sa
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

May 2022						
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

June 2022						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

Start
Optional Work Day
Vacation
End Date