How do you KICK BUTT in high school math?

AKA:

Selecting The Math Courses That Are Right For You

Welcome to Rising 9th Grade Orientation !

Marshall High School Math Department

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http://www.teacherspayteachers.com/Store/The-Hazel-Owl/Category/Clip-Art---Graphics

SUCCESS

*in **high school math** depends on*

2 THINGS:

#1 Choosing the math **that's "just right" for you**

#2 Working hard

http://davidsoncenter.com/hey-high-school-students/

AND

be aware of the

BIG DIFFERENCES

between high school

& middle school math

https://www.imperial.ac.uk/news/174449/ineffective-approaches-dizziness-leave-patients-hanging/

#1 *Choosing the math* ***that's*** *"just right"* ***for you***

How do I know what's "just right?"

Use the *Goldilocks* method...

Not too difficult,

Not too easy,

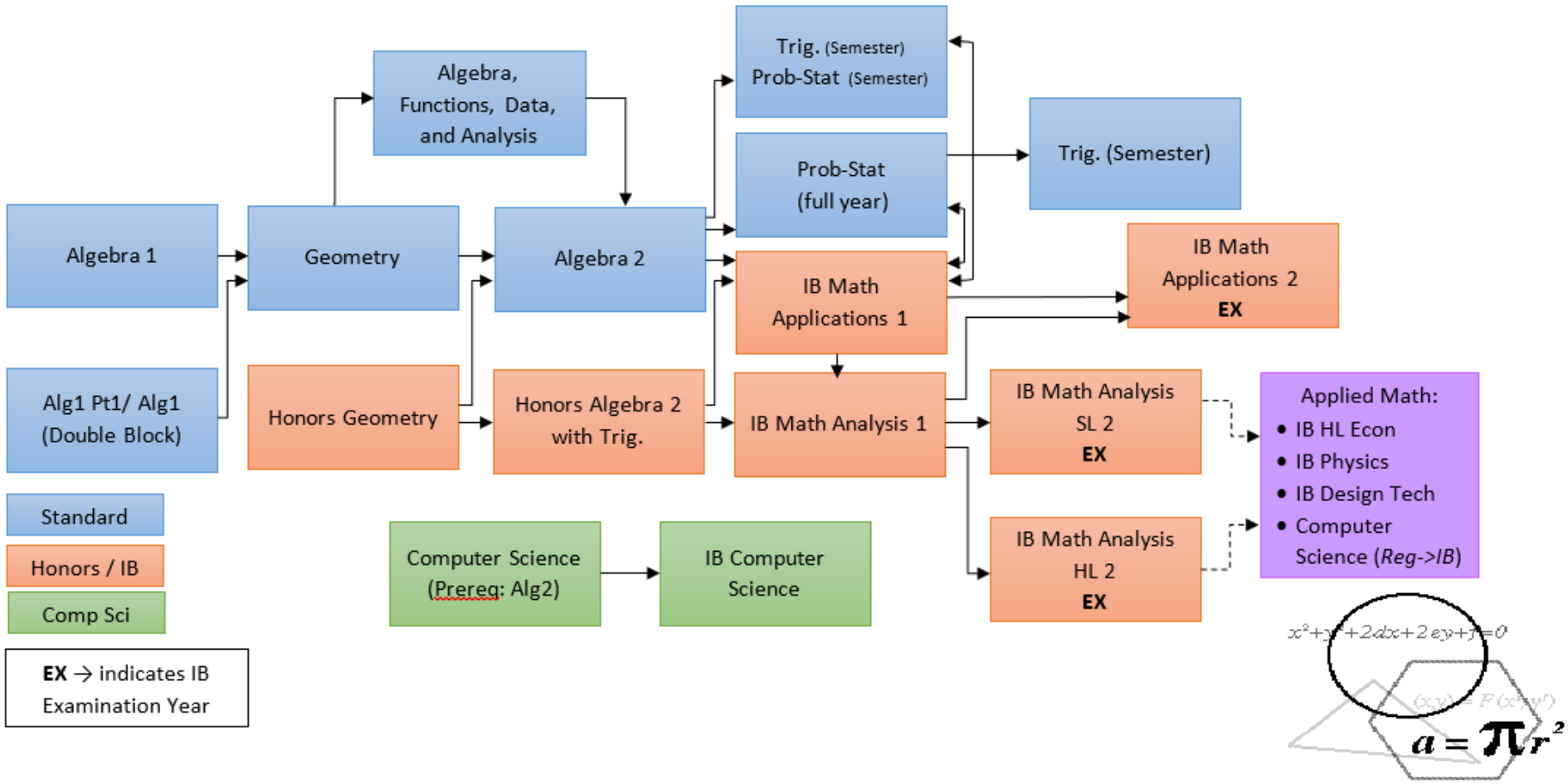
JUST RIGHT !

MARSHALL HS SEQUENCING OF MATHEMATICS COURSES

8th Grade:	**8th Grade Math:** • D or F • Failed SOL	**8th Grade Math:** • A, B, or C • Passed SOL	**Expunge grade in Algebra 1 or Honors Algebra 1:**	**Algebra 1:** • A, B, or C • Passed SOL **Honors Algebra 1:** • B or C • SOL <500
9th Grade:	**Begin at Alg1 Pt1/ Alg1 (Double Block)**	**Begin at Algebra 1**	**Begin at regular Algebra 1**	**Begin at Geometry**

8th Grade:	**Honors Algebra 1:** • A, B, AND • SOL >500	**Honors Geometry:** • A, B, AND • SOL >500	**Honors Algebra 2 (w/o Trig)** • A, B, AND • SOL >500
9th Grade:	**Begin at Honors Geometry**	**Begin at Honors Algebra 2 w/ Trig** (Otherwise begin at Algebra 2)	**Begin at IB Math Applications 1**

MARSHALL HS SEQUENCING OF MATHEMATICS COURSES



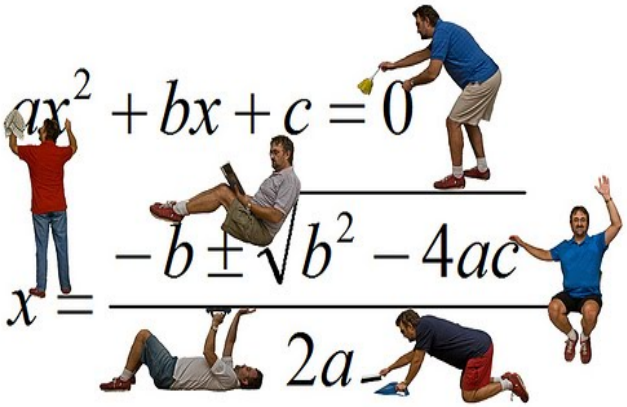
Choosing “what’s JUST RIGHT” depends on several things:

- what **math class** you are taking now…
- **how** you’re doing in that class…

Should I Take **Algebra 1** in 9th grade?

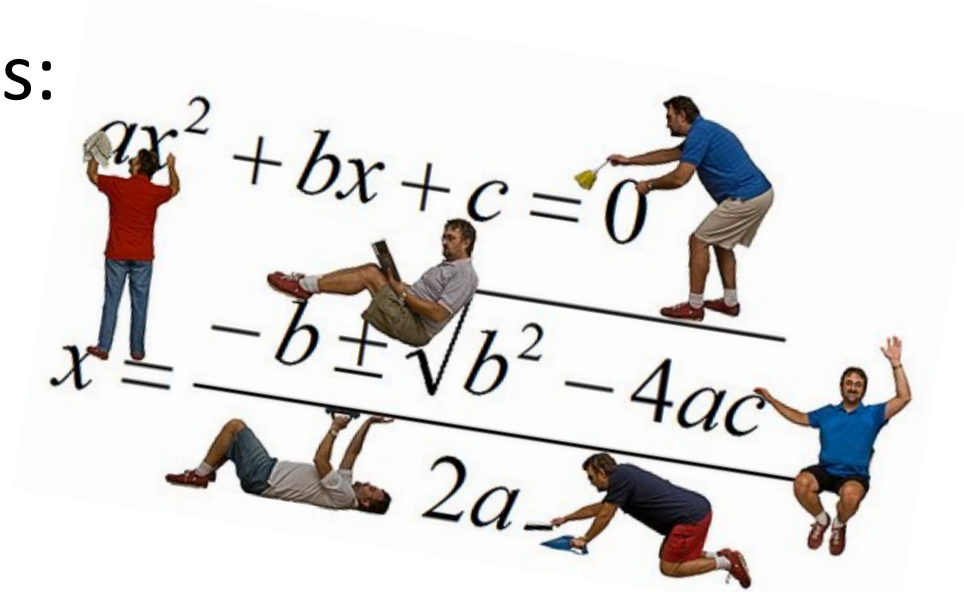
YES, if I'm currently taking…

- **Math 8**
- **Algebra 1** -> final grade: C- or lower
- **Alg 1 Honors** -> final grade: D or F



Algebra 1 Options

- Standard Algebra 1
- Double Block Algebra 1
- Special Education Algebra 1 Options:
  - Team-Taught
  - Small Group



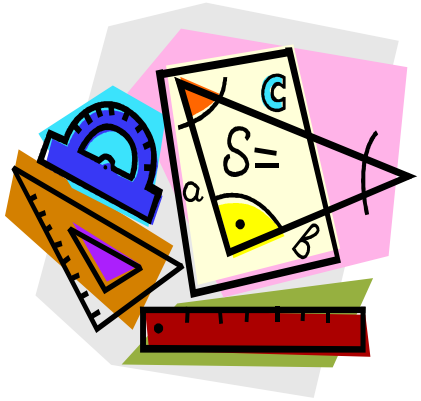
http://www.bubblews.com/assets/images/news/1763485476_1386239407.jpg

Should I Take **Geometry (or Honors)** in 9th grade?

Geometry, if I am taking…

- **Honors Algebra 1** -> final grade: B- or lower
- **Algebra 1** -> final grade: A, B, or C

Pass the Algebra 1 SOL



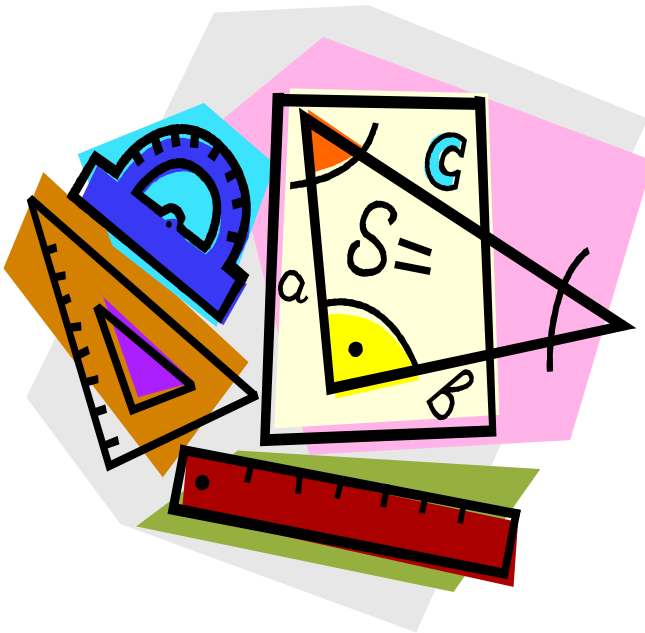
Geom. Honors, if I'm taking…

- **Honors Algebra 1** -> final grade: A or B
- **Algebra 1** -> final grade: solid A

Pass advanced on the Alg I SOL

Geometry Options

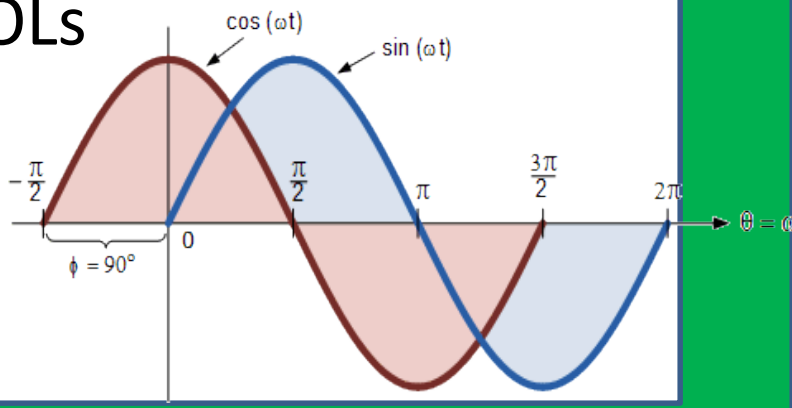
- Standard Geometry
- Special Education Geometry Options:
  - Team-Taught
  - Small Group
- Honors Geometry



What if I already passed Geometry?

- **Algebra 2**
  - This class will be a mixed grade class.
- **Algebra 2 Honors with Trig**
  Student earned:
  - A or B (without retests) in Honors Geometry & Honors Algebra 1
  - Pass Advanced scores on SOLs
- ***Special case?***

  Talk with your counselor!

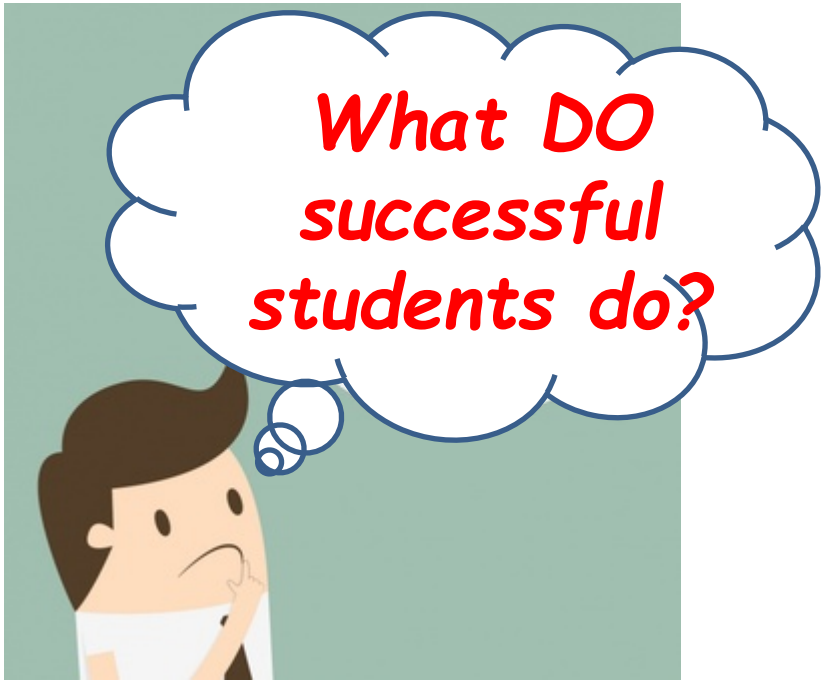


http://www.electronics-tutorials.ws/accircuits/acp33a.gif

1 CHOOSE the MATH *that's "just right" for you*

The Goldilocks method

2 WORK HARD *to become a successful high school student.*



https://www.freepik.com/free-photos-vectors/thinking

WHAT successful high school students DO:

- Attend school regularly
- Complete daily assignments on time
- Make up missed work in timely manner
- Ask questions
- Prepare for quizzes & tests
- Correct errors on all assessments

(for understanding & for test retakes)

HOW successful students approach high school:

- Focus on mastering concepts, not just "doing the work"
- Seek help on their own initiative (***Attend LEARN!***)
- Persist through difficulty
- Know that success requires dedication and hard work

http://davidsoncenter.com/hey-high-school-students/

Do you notice the

KEY DIFFERENCES

between high school

& middle school math courses?

STUDENT RESPONSIBILITY:

- **Student is in charge of having the materials and taking the steps necessary to carry out work as directed**
- **Student should be proactive in asking for help as needed**

https://www.imperial.ac.uk/news/174449/ineffective-approaches-dizziness-leave-patients-hanging/

RECAP:

For success in high school math

do 2 things :

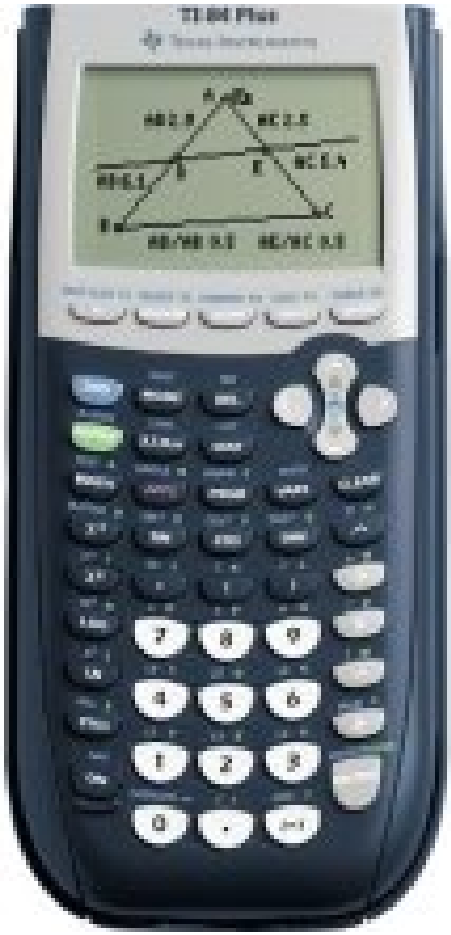
#1 Choose the math **that's "just right" for you**

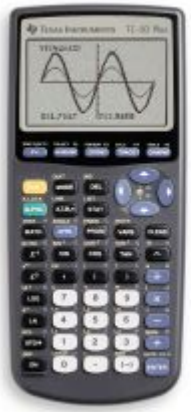
#2 WORK HARD

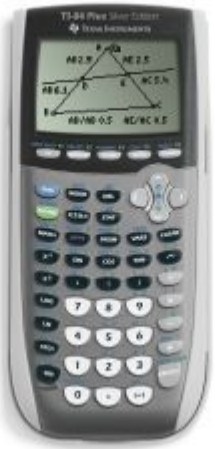
PARENTS:

Supporting your Students

- Is your student **organized**?
  - We recommend a binder with dividers!
  - PENCILS!
  - Calculator!
- Is your student attending **LEARN**?
- Is your student completing **daily** homework?
- Does your student know the dates for **major assessments**?
- Are BOTH of you checking **SIS** regularly **(weekly!)**?

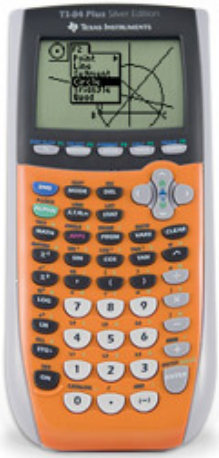


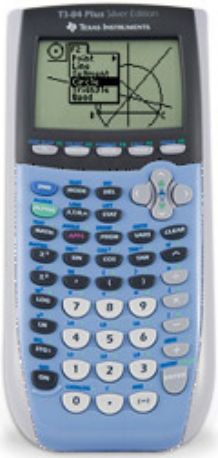


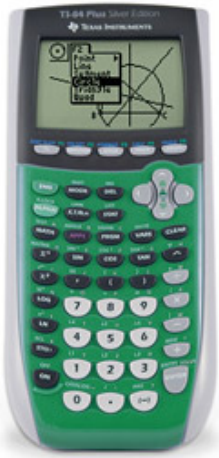


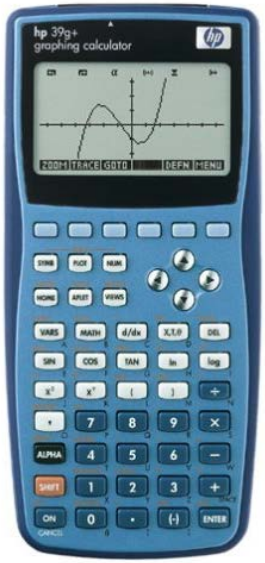
Recommended:

Ti-84+









Questions?
Contact Us!

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- Carol Ann McCollum: camccollum@fcps.edu

http://www.teacherspayteachers.com/Store/The-Hazel-Owl/Category/Clip-Art---Graphics

Link to cool math videos playing between sessions

http://etereaestudios.com/docs_html/inspirations_htm/movie_a.htm

http://etereaestudios.com/docs_html/nbyn_htm/nbyn_mov_vimeo.htm