



ALGEBRA 2

Mrs. Barnosky
Mondays @ 11-12:30 or Tuesdays @ 1-2:30

Algebra 2 Student Text
(BJU Press, 3rd ed)
[ISBN-13: 9781606821985]
TI-83 or TI-84+ graphing calculator



Talk to me!

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Input = Output

You know those classes where you just show up and the teacher pours information into your brain? This is *not* that class! I will do everything in my power to make your learning easier – from automated quizzes to review games and interactive feedback.

You, however, will need to step up... and keep up with your work load. If you come to class prepared, you'll get *much* more out of it!

Be present ~ attend class (or watch the recording)
Be diligent ~ work hard, don't just check boxes
Be active ~ log in regularly and participate fully
Be clear ~ communicate regularly with your classmates, your parents, and your instructor

• **Study** •

Ready for the next step? Master advanced algebra concepts, hone your calculator skills, and prepare for real-world application as we dig in and develop each topic. Chapters include: Linear Relations, Solving Systems, Matrices, Quadratic Equations and Systems, Polynomial Functions, Radicals and Exponents, Exponential and Logarithmic Functions, Rational Expressions and Equations, Trigonometry, Sequences and Series, Probability and Statistics, and Conic Sections. This isn't about test prep... **it's about building skills and deepening connections.** Sure you can use these skills on the SAT, but aiming trebuchet, measuring monuments, and hacking your local pizza parlor is just more fun!

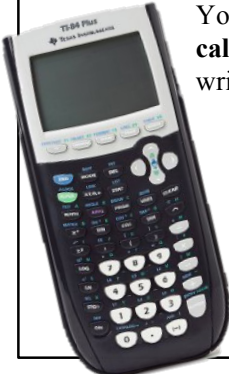
"If people do not believe that mathematics is simple, it is only because they do not realize how complicated life is." John von Neumann

Be Prepared

You will need a textbook, **graphing calculator**, notebook, paper, graph paper, writing implements, et cetera.

Come to class prepared:

- with your textbook
- with your notebook and homework
- ready to engage
- willing to focus
- with respect and kindness




Quizlet?
flash cards?
printables?
activities?
games?

Join!

<https://quizlet.com/join/y5x4bjnFh>

This block here?
It's going to contain information about the registration process, tutorials, and helps available on **MyFunScience.com**.

Eventually :)



PowerSchool Learning (PSL) Classroom

The asynchronous (anytime) components of our class are located within our PowerSchool Learning classroom. It is accessible 24/7, and includes a wealth of resources to encourage and inform student learning. If you're chatting with an old timer, they might refer to PSL as "the Learning Management System formally known as Haiku."

Welcome!

> [F.A.Q.]

Week 21 ~ Feb 13 :)

Week 20 (Feb 6)

- The **Welcome** page contains a link to our classroom, announcements, and syllabus.
- The **FAQ** page hosts several resources. Just click on the "greater than" sign to expand.
- Weekly** pages contain a block summarizing all work expectations for the coming week. This is the "**one block to rule them all!**"! Each page also contains the recording of our live class as well as links to that week's videos, resources, assignments, assessments, and/or discussions. There may be some "extra" material that's for further learning or fun.

Be sure to monitor your "Gradebook" tab! Your **settings** are in the upper right-hand corner :)

T.e.c.h.n.o.l.o.g.y T.o.o.l.s.

Adobe Connect

Our synchronous (live) class meetings will take place within Adobe Connect. We will meet for a single 90-minute class session each week. Attendance is optional but strongly encouraged. Live classes will include lectures, discussions, games, simulations, and both individual and group activities. The ability to interact with classmates and ask me questions in real-time? Priceless!

You need:

- Stable Internet connection (2-5 Mbps download speed minimum)
- Solid audio functionality (preferably with microphone)
- Flexibility (most glitches are easily solved with a Flash update or cache clearing)

Please be sure that your computer and Adobe Flash is up-to-date before classes begin. You can test your Adobe readiness at https://na1cps.adobeconnect.com/common/help/en/support/meeting_test.htm . If you have questions, concerns, or issues related to class meetings or login, please chat with Adobe Support at <https://helpx.adobe.com/adobe-connect/kb/connect-chat-support.html> or send an email to **xxxxxxx**.



Syllabus revision date:
2-21-17

Fall 2017 ~ not quite final :)

First day of class: Wednesday, August 23

Fall Break: October 8 - 14

Thanksgiving Break: November 19 - 25

Final class: Wednesday, December 13

Spring 2018 ~ not quite final :)

First day of class: Wednesday, January 10

Winter Break: February 18 - 24

Easter Break: March 25 - 31

Final class: Wednesday, May 2



Absence? Illness?

Missing Class? No problem! That's why I post the recordings. You are responsible for announcements and content. . . whether or not you are present for our live class meeting :)

Merriam-Webster defines an **emergency** as "is a serious, unexpected, and often dangerous situation requiring immediate action." If you are stricken by **illness** or emergency, please have a parent contact me as soon as possible. I will offer what grace I can.

Vacations, part-time jobs, and busy schedules are *not* considered emergencies. Plan ahead and contact me *ahead of time* with specifics if you would like a schedule accommodation. I'll do what I (reasonably) can.

Scope & Sequence

| | |
|----------|---|
| Class 1 | 1.1 - 1.5 |
| Class 2 | 1.6 - 1.9, Ch1 Review |
| Class 3 | 2.1 - 2.4, Test (on Chapter #1) |
| Class 4 | 2.4 - 2.7, Ch2 Review |
| Class 5 | 3.1 - 3.4, Test (on Chapter #2) |
| Class 6 | 3.5, 3.6, Ch3 Review, 4.1 |
| Class 7 | 4.2 - 4.4, Test (on Chapter #3) |
| Class 8 | 4.5, 4.6, Ch4 Review, 5.1 |
| Class 9 | 5.2 - 5.5, Test (on Chapter #4) |
| Class 10 | 5.6 - 5.9 |
| Class 11 | Ch5 Review, 6.1 |
| Class 12 | 6.2 - 6.5, Test (on Chapter #5) |
| Class 13 | 6.6 - 6.8, Ch6 Review |
| Class 14 | 7.1 - 7.4, Test (on Chapter #6) |
| Class 15 | 7.5 - 7.7 |
| Class 16 | 7.8, Ch7 Review |
| Class 17 | 8.1 - 8.4, Test (on Chapter #7) |
| Class 18 | 8.5 - 8.8, Ch8 Review |
| Class 19 | 9.1 - 9.3, Test (on Chapter #8) |
| Class 20 | 9.4 - 9.7, Ch9 Review |
| Class 21 | 10.1 - 10.3, Test (on Chapter #9) |
| Class 22 | 10.4 - 10.6 |
| Class 23 | 10.7, 10.8, Ch10 Review |
| Class 24 | 11.1 - 11.3, Test (on Chapter #10) |
| Class 25 | 11.4 - 11.6, Ch11 Review |
| Class 26 | 12.1 - 12.3, Test (on Chapter #11) |
| Class 27 | 12.4 - 12.6, Ch12 Review |
| Class 28 | 13.1 - 13.4, Test (on Chapter #12) |
| Class 29 | 13.5 - 13.8, Ch13 Review |
| Class 30 | 14.1, 14.2, Test (on Chapter #13) |



This class is "flipped". That means that we'll spend our class time on fun, interactive learning... and leave the "talking head" lectures at home!

I will introduce new topics in class, but provide most direct instruction in brief, custom videos that I've created for each lesson.

This way you can spend extra time on trickier lessons... and our class time is reclaimed for more community pursuits. **You are responsible for reading, taking notes, and studying each lesson and its vocabulary.**

You are responsible for all of the lesson content that is contained within these "**flipped videos**".

"For God has not given us a spirit of timidity, but of power and love and discipline."
2 Timothy 1:7

- Tests -

There will be Chapter Tests every 2-3 weeks, as noted on our schedule. They will be *generously* timed and open for a three-day window.

Don't panic! Just memorize formulas and definitions. Study your notes. Practice your skills. Work the review and study guide. Review your quizzes. . . ask questions!

Tests will have both "computer graded" and "hand-graded" components... and **prompt submission of your test work is mandatory.**

Grading Policies

- Quizzes -

Quizzes are for you. They tell you whether you *really* know what you *think* you know! Every week there's a quiz covering the previous week's lessons.

Quizzes are generously timed and open for a full week.

Study smart. If you're still looking back at your notes or textbook in order to get through the homework problems, you're just not ready. Practice. Study. Ask.

Once complete, you may use the password "review" in order to see your, and the correct, answers. Quizzes are a great way to focus your studying and ensure topical mastery.

Academic Dishonesty

Every academic and professional environment takes issues of cheating and plagiarism *very* seriously.

Do not "Google" the test questions. Do not submit another person's work as your own. Do not use Desmos or your cell phone. Please refer to Plagiarism.org for more information.

If I suspect that cheating or plagiarism has occurred, I will notify you and your parents and issue you a grade of zero on that assignment, assessment, or discussion. If cheating, or plagiarism, occurs again, action will be taken which could include dismissal from the course.

A (100-90) B (89-80) C (79-70) D (69-60) F (0-59)

Do I drop the lowest grade in each category?

Yes. Yes I do.



Homework ✓ Check

Each week, for *each* lesson, you're going to read the textbook and take great notes. Be sure to watch the "flipped" videos and study our vocabulary as well!

Next, you'll:

1. Complete all homework, showing **ALL** of your work.
2. Check, or have checked, each problem.
3. Rework any incorrect problems

Once you've completed the homework, print out the "**Homework Submission**" and "**Selected Work**" sheets from our class page.

4. Copy over your four [4] "Selected Work" problems
5. Fill out your "HW Submission" page
6. Bring your homework and sheets to a parent *for their signature.*
7. Scan this "Homework Submission" Sheet, the "Selected Work" Sheet, and (optionally) any problems you'd like direct feedback on.
8. Submit to the dropbox in one PDF file.

Do. Your. Best. Work.

There's a "Homework Submission" page on the website with examples and encouragement.

Remember:

Input = Output



YOUR GRADE

