

# Algebra 1B(CPM) – Course Syllabus

## I. Contact Information and “Office Hours”

See Individual teachers for schedule

Homework Help: [open-ebooks.cpm.org](http://open-ebooks.cpm.org)

## II. Course Description - Algebra 1B focuses on linear and exponential functions. Real-life data is examined through scatter plots and predictions are made.

## III. Course Objective (BIG IDEAS)

Unit 4: Systems of Equations – solving systems graphically and algebraically, special cases of zero solutions and an infinite number of solutions

Unit 5: Sequences - Investigating geometric and arithmetic sequences

Unit 6: Bivariate Data - Creating scatter plots, describing association and using models to make predictions

## IV. Course Materials

- Folder / binder: Organize all math assignments and notes (math only)
- Calculator (scientific calculator): Finish homework outside of school
- "Planner" type device: Write down assignment due dates and stay organized ☺
- Writing Utensil: Pencils with eraser
- Good attitude: We'll all make mistakes and change our mind in the process of learning. A good attitude will make this process go smoother.

## V. Grading

Homework = 25%

QUIZ = 25%

TEST/PROJECT = 50%

Daily expectations:

Ready – Homework complete, materials out, prepared to learn

Respect – Follow instructions, study team expectations

Responsible – Take care of materials, help others

Test Corrections are available to all students.

May earn points back based on demonstrating mastery of missed objectives.

Requires at least 2 appointments:

~1<sup>st</sup> appointment = discuss mistakes on original test and extra practice material provided. Any number of appointments necessary to gain confidence and learn

~2<sup>nd</sup> appointment = demonstrate mastery by completing NEW problems

No “late work” is accepted for credit.

## VI. Approximate Course Schedule

Weeks 1 – 4: Unit 4 Systems of Equations

Weeks 5 – 8: Unit 5 Sequences

Weeks 9 – 12: Unit 6 Bivariate Data

**If a student would like to review or expand their knowledge in the areas they are studying, Google or YouTube search the topics listed in the course objectives.**

**Another great way to expand learning is Khan Academy Algebra 1 Course** (<https://www.khanacademy.org/math/algebra>). It could be used to review topics, to extend to future content, and enrich Algebra 1 as a whole. It is also a great way to review for SAT. This is not mandatory.

Other options are:

**CPM (Algebra 1 links) which are from our present curriculum.**

Parent Guide ... Examples, practice problems, and answers.

[https://pdfs.cpm.org/CoreConnections/ParentGuide/cca/CCA%20PG\\_full\\_version.pdf](https://pdfs.cpm.org/CoreConnections/ParentGuide/cca/CCA%20PG_full_version.pdf)

Checkpoint problems with examples, practice problems, and answers (reference section of ebook ...this section may not open great on a phone. A computer might be better)

<https://ebooks.cpm.org/bookdb.php?title=cca&name=reference.checkpoints&type=tcheckpoints>