

Pre-Algebra Syllabus

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INSTRUCTOR: Aryan P.
CONTACT INFO: aryanchannel4@gmail.com
LESSONS: schoolhouse.world

Course Description:

This course is designed to teach the student the fundamentals of basic Algebra through instruction, class work, homework, and tests. This course provides the foundation for more advanced mathematics courses and develops the skills needed to solve mathematical problems. Study includes integers, rational numbers, powers and roots, ratios and proportions, linear expressions, equations, inequalities, linear functions, and statistics. This course will meet the state requirement.

Supplies:

- ✓ Pen and Pencils
- ✓ Erasers
- ✓ Graph or Notebook paper
- ✓ Computer or Tablet (charged)

*Please bring the basic supplies to every session. If you have any alternatives, please feel free to bring those.

Grading:

Grading is based on the homework you do. If you get a higher accuracy, your grade will be higher. The homework is usually 10 questions. I might occasionally assign assessments. I cannot check your homework. So, please attach a screenshot of your homework in the group chat.

Grading Scale:

- A = 90 – 100
- B = 80 – 89
- C = 70 – 79
- D = 60- 69
- F = 59 below

*This is totally optional (but is much appreciated). This is just for practice and challenge. If you are not interested in doing homework, it is okay.

Rules:

- 1) Come prepared and on time
- 2) Focus on the lesson
- 3) Be respectful of fellow students
- 4) Raise your hand to ask or answer questions

Attendance Policy:

- 1) Please message me if you are not attending sessions.
- 2) Please do not skip three or more sessions in a row
- 3) Please message me at least 24 hours prior to the session.

Consequences:

If a student continues doing this in future sessions, then they can be-

- 1) Reported to moderators
- 2) Banned from all future sessions
- 3) Banned from schoolhouse
- 4) **Attendance Only** If you miss 3 sessions, I will send you a DM, if you do not respond within 24 hours, I will remove you from the series.

Syllabus:

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| 1) Factors and Multiples | 7) Proportional Relationships |
| 2) Patterns | 8) One step and Two step Equations |
| 3) Ratios and Rates | 9) Roots, Exponents, and Scientific Notation |
| 4) Percentages | 10) Multi-Step Equations |
| 5) Exponents Intro and Order of Operations | 11) Two-variable equations |
| 6) Percent and Rational Number Word Problems | 12) Function and Linear Models |
| | 13) System of Equations |
