

## Pre-Algebra 2019- 2020 (30 weeks)

Tuesdays 1:00 Eastern Time

90 minute class

### Class Description Prerequisites: None

This Pre-Algebra home school course begins with a critical understanding of arithmetic functions that allows students to transition to high school math classes. Students can deepen their understanding of topics such as fractions, decimals, percents, mixed numbers, signed numbers, order of operations, evaluating algebraic expressions and solutions for linear equations in one unknown. Students will have access to lesson videos for each topic as well as in-class time to answer questions and further explore content. Students will have weekly assignments to complete and will be able to check their answers with an answer key. Four selected problems, each week, will be submitted for a grade. Quizzes will be periodically throughout the year. Additionally, students will take a test for each chapter in the textbook. Tests usually occur every ~2 weeks.

### Live Online Class

This online course is delivered entirely online using Adobe Connect for our live class meetings and PowerSchool Learning for course assignments. This class contains synchronous (live) and asynchronous (anytime) components. *Synchronous*: Classes will meet live for one weekly, 90-minute online session to include lecture, discussion, assignments, and individual and collaborative activities in real time with the teacher and with classmates. While class attendance is not required it is highly recommended. During the live session Mrs. Rainey will use various strategies such as virtual manipulatives, online games, classroom activities, video clips, music and the standard algorithms to teach the required Pre Algebra concepts. Live class participation and the opportunity to ask questions and interact with classmates is a significant part of ensuring that students get the most out of the virtual learning experience.

### PowerSchool Learning Classroom

*Asynchronous*: From the PowerSchool Learning System (PSL) login created for each family upon enrollment, students may access all class resources. Class pages may be accessed anytime and will include summary information and recordings from live sessions for students who miss class or who would simply like to review a session. Students will also find assignments and grades, enrichment content, and study helps on the class pages.

### Teacher Information

Mrs. Elisabeth Rainey

[erainey@myfunscience.com](mailto:erainey@myfunscience.com)

### Required Course Materials

BJU Pre-Algebra Student Text, ISBN: 9781591665465 \*\*please Purchase in advance

Notebook paper, pencils, colored pencils

A way to scan in assignment worksheets OR use a phone to send in a picture

### Technical Information

Students will need internet access to participate in the live online classes and to access the class pages online. A headset is preferred, but students will need working audio at a minimum for this class.

## Topics

Ch.1 Integers  
Ch.2 Expressions  
Ch.3 Basic Equations & Inequalities  
Ch.4 Number Theory  
Ch.5 Rational Numbers  
Ch.6 Operations on Radical Numbers  
Ch.7 Percents  
Ch.8 Apply Equations & Inequalities  
Ch.9 Relations & Functions  
Ch.10 Statistics & Probability  
Ch.11 Radicals  
Ch.12 Geometry  
Ch.13 Area & Volume  
Ch.14 Polynomials

## Evaluation:

Weekly assignments	20 % of final grade
Quizzes	30% of final grade
Tests	<u>50 % of final grade</u>
	100% total

## Grading Scale:

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

## Anticipated Class Schedule

Week 1: Lessons 1.1 – 1.5  
Week 2: Lessons 1.6 – 1.8, Chapter 1 Review  
Week 3: Test 1, Lessons 2.1 – 2.4  
Week 4: Lessons 2.5 – 2.7, Chapter 2 Review  
Week 5: Test 2, Lessons 3.1 – 3.4  
Week 6: Lessons 3.5 – 3.8  
Week 7: Chapter 3 Review, Test 3, Lessons 4.1 – 4.3  
Week 8: Lessons 4.4 – 4.6  
Week 9: Chapter 4 Review, Test 4, Lessons 5.1 – 5.3  
Week 10: Lessons 5.4 – 5.6, Chapter 5 Review  
Week 11: Test 5, Lessons 6.1 – 6.4  
Week 12: Lessons 6.5 – 6.7, Chapter 6 Review  
Week 13: Test 6, Lessons 7.1 – 7.4  
Week 14: Lessons 7.5 – 7.7, Chapter 7 Review  
Week 15: Semester 1 Review packet, Semester 1 Test  
Week 16: Lessons 8.1 – 8.5 Chapter 8 Review  
Week 17: Test 8, Lessons 9.1 – 9.4  
Week 18: Lessons 9.5 – 9.8  
Week 19: Chapter 9 Review, Lessons 10.1 – 10.3  
Week 20: Test 9, Lessons 10.4 – 10.7  
Week 21: Lessons 10.8 – 10.9, Chapter 10 Review, Test 10  
Week 22: Lessons 11.1 – 11.4  
Week 23: Lessons 11.5 – 11.7, Chapter 11 Review  
Week 24: Test 11, Lessons 12.1 – 12.4  
Week 25: Lessons 12.5 – 12.8  
Week 26: Chapter 12 Review, Lessons 13.1 – 13.3  
Week 27: Lessons 13.5, 13.7 – 8, Chapter 13 Review  
Week 28: Test 12 and 13, Lessons 14.1 – 14.3  
Week 29: Lessons 14.4 – 14.6, Chapter 14 Review  
Week 30: Final Exam Review, Final Exam

## Attendance Policy

*Presence:* Students are strongly encouraged to attend live classes but are not required to attend live classes. However, students who do miss a class, for whatever reason, will be responsible for viewing the class recording and completing assignments. Recordings of each class are usually available within 24 hours of the class meeting and may then be accessed 24/7 from the course class pages. Students may also review recorded classes at any time.

*Participation:* Active participation is essential for maintaining the best learning environment. It is also a fun part of learning. Students are not required to attend classes live, but students who do are expected to engage with the teacher and with each other. Outside of live sessions, students are expected to log on and visit the class pages to complete their assignments. There, students may review class material, keep up-to-date on assignments, and verify that weekly assignments will be posted the day after the online live class session.

## Class Conduct

Students should conduct themselves in a worthy and appropriate manner, which includes behaving respectfully and politely to each other and the teacher. In both live and asynchronous class activities, students should strive to stay on task and on topic, to use appropriate language, and to be gracious in speech and conduct toward others. Students should use the same guidelines for civil in-person behavior. Students should strive for proper grammar and spelling in discussion boards and assignments, but the speedy and spontaneous nature of live class chat demands that these conventions may be loosened to facilitate more relaxed, informal communication.

Students who are unable to adhere to this type of conduct may be separated from the class, removed from the session if it continues to occur during a live class session, and will eventually result in parent notification if the behavior is disrupting the class.

## Tips for Student Success

Students who are fully present, work diligently, actively participate (either via live class attendance or watching recordings promptly and attentively), and consistently communicate will be the most successful. Communication: Students who are unable to find something, are unable to remember instructions, are having trouble understanding, or are otherwise having difficulty engaging in the class should take every opportunity to communicate with the teacher. It is important to ask questions and keep an open line of communication about all class related activities for the best learning experience.

## Academic Honor and Integrity

Colleges and universities, and indeed every professional and educational environment, take issues of academic honesty very seriously. Research shows that plagiarism, what most people automatically think of when hearing the phrase “academic honesty,” is most often committed when students are pressed for time, care very little about the assignment, or are unaware of what plagiarism is. These issues may be addressed by planning, attitude adjustment, and careful instruction, and these areas of concern may be visited as needed in this class. However, academic honesty is also much more. It is a matter of integrity. Being a student of integrity includes submitting your own work, working in a timely manner, and demonstrating consistent effort and diligence.