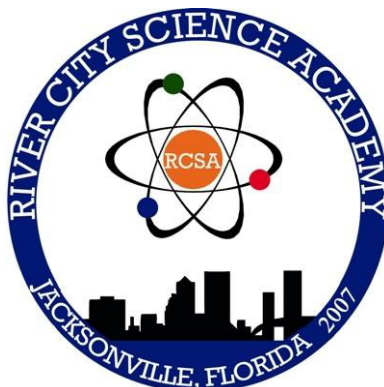# RIVER CITY SCIENCE ACADEMY

AP Calculus AB
Summer Assignment 2020 - 2021
Mr. Ugur Barindik
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Dear Student,

The summer assignment contains topics that you will be required to know to succeed in AP Calculus AB this year. You are advised to be familiar with each of the concepts and complete all the problems by **August 9, 2020**. These topics were discussed in either Algebra or Pre-Calculus, and will be used frequently throughout the year.

The AP Calculus AB summer assignment will be on Khan Academy. It might be frustrating to do a math assignment online, but it's also important to receive feedback right after you answer a question. If you don't remember how to answer a question, you can check the hints or watch videos about the concept.

Please follow the steps below to complete your summer assignment.

1. Create a Khan Academy account if you don't already have one. You can also sign into Khan Academy using your Google account. Please use your full name for your username so your teacher can know who you are.

2. After you sign into your account go to "coaches" and enter the code **"EBBZXCT3"** to join the AP Calculus AB class.

3. Email your teacher at ubarindik@rivercityscience.org to notify him that you joined the class. Your teacher will assign you the topics and email you back when he's done assigning you the topics.

4. After you receive the email from your teacher, sign into your account and you will see all the assignments under the "assignments" tab. You can begin with which ever you like. You need to answer at least 80% of the questions correctly in each assignment. **Please do NOT use a calculator unless it tells you that "you might need a calculator".**

The following is the list of the assignments that will be assigned to you;

1. Linear equations and graphs (Unit Test)

2. Functions (Unit Test)

3. Absolute value and piecewise functions (Unit Test)

4. Rational exponents and radicals (Unit Test)

5. Factorization (Unit Test)

6. Quiz 5 for quadratics

7. Functions (Unit Test)

8. Quiz 4 for rational relationships

9. Exponentials and logarithms (Unit Test)

10. Advanced equations and functions (Unit Test)

11. The unit circle definition of sine, cosine, and tangent (Unit Test)

12. Quiz 4 for Geometry foundations

13. Quiz 1 for right triangles and trigonometry

14. Quiz 2 for right triangles and trigonometry

15. Quiz 3 for analytic geometry