

Math Department Summer Assignment: 2018-19
Bishop Dunne Catholic School

Summer Math Assignment

Background

The goals of the math department summer assignment program are as follows:

1. Provide extra practice to keep math skills sharp over the summer break to improve retention. According to the Review of Educational Research, students who do not do math “lose about 2.6 months’ worth of grade level equivalency in mathematical computation skills during their summer break.”
2. Inform new students and families of the content knowledge that students are expected to have upon entering a specific math course
3. Identify students who need extra support in math immediately and provide support so that students may have a positive experience at the beginning of the school year
4. Ensure that students are placed in the correct level (on-level, pre-AP, or AP) based on their ability and desire to learn

Students will be using the online mathematics resource Khan Academy to review and practice core concepts used in their upcoming math course. Khan Academy is chosen because of its alignment with our curriculum and the support that it offers to students. If a student is stuck on a topic, they can access step-by-step solutions as well as detailed videos that explain the concept and work example problems.

Support

If students have questions about their assignment, they should reach out to their teacher via email. Coaches will be checking email regularly Monday-Friday and students should expect a response within 48 hours. In their email, students should include specific information such as the skill they are working on and the issues they are having. When possible, include a screenshot so that we can be of more assistance.

Important Dates

All skills should be practiced and the study guide completed before the first day of school (August 9, 2018). On that day, a diagnostic assessment will be completed in class. This assessment is used for diagnostic purposes only and does not carry weight in the grade book. A student who shows deficiencies in their assessment results will be assigned mandatory tutoring during the week of August 13-17. A second assessment over the summer assignment topics will be given no later than Wednesday, August 22. This assessment will count as the first MAJOR grade of the class.

Steps to Complete your Summer Work

1. Set up an account on [KhanAcademy.org](https://www.khanacademy.org). Create a username and password. Use your full first and last name as your display name. Returning students will use the same account they used during the school year.
2. Enter the appropriate class code (see below) to be placed in the correct group. This allows your teacher to assign the recommended skills and monitor your progress. (See the following page for more detailed instructions about adding a coach)
3. Skills will be assigned to students registered on Khan Academy by **Friday, June 15th**. Students who miss this deadline can still find the recommended skills by searching for them on the Khan Academy site. **Class registration is NOT required to access the skills.**
4. Practice the assigned skills. While earning 100% for each skill is preferred, any score above 70% is acceptable.
5. Complete the practice problems on the study guide posted to bdcs.org/summer18. Check your work using the attached answers. The study guide will help you summarize the steps used in each skill, and give you a study resource to refer to throughout the summer.
6. Come prepared for a diagnostic quiz over these skills on your first day of class.

Reference Guide for Class Codes and Contact Info

Class you are Entering	Class Code	Coach / Summer Contact
Algebra I (All Levels)	R7C6WRB7	Mrs. Smith (asmith@bdcs.org)
Geometry (All Levels)	JXPQ9MF9	Mr. Braun (kbraun@bdcs.org)
Algebra II (All Levels)	HSPZ5HRA	Mrs. Smith (asmith@bdcs.org)
Precalculus (All Levels)	5K9TZ4	Mrs. Smith (asmith@bdcs.org)
Calculus (All Levels)	C3WJTMG6	Mr. Braun (kbraun@bdcs.org)
AP Statistics	FWJWK45Y	Mr. Braun (kbraun@bdcs.org)

Khan Academy How-To

The following steps will allow you to enter the correct class for your summer work.

1. After creating a username, click on your profile.

Log in to your account at www.khanacademy.org. Once logged in, click your name at the top right.



A menu will open.

Click "Profile."

Alternatively, go to www.khanacademy.org/profile



Click "Coaches" to see a list of your coaches.

The screenshot shows the user's profile page on Khan Academy. The navigation bar at the top includes 'Subjects', 'Coach', a search bar, and the user's name 'Isaac at KA'. Below the navigation bar is the user's profile header with a bio and social media links. The main content area has a navigation bar with 'Home', 'Profile', 'Badges', 'Progress', 'Discussion', 'Programs', and 'Coaches' (circled in red). Below this, there are sections for 'Add a coach' and 'Add your parent'.

2. Type your class code (see chart on page 2) to enter the correct class.
3. Skill assignments will be available to students after June 15th! If you join a class after June 15, you can still practice the skills by finding them with the search bar at the top of the Khan Academy site.