

Dear Incoming 6th grade Families,

We are excited to get started on your students' transition to middle school. Dr. Robert G. O'Donnell is a great place to be as we continue to improve instruction and establish positive learning environments for all of our students.

As your son/daughter enters middle school they will be assigned a math teacher, please consider this their primary math teacher; the person who will communicate with you, the one that will enter grades into the system, and the one that you would conference with regarding your student. To facilitate the highest level of learning each student will be exposed to a rotating math environment.

What this means to you is that we will be identifying areas of strength and growth on a regular basis. We will place your student in a different class and a rotating teacher that is prepared to cover the 6th grade Common Core State Standards for your student. This will occur at the onset of each new unit, and will be assessed informally and formally throughout the process to ensure the highest level of exposure for each student.

What this means to your student is that they will be exposed to multiple teaching styles and personalities. They will mix it up and be with many of their friends over the course of the year. Ideally math will not be "boring" as many of us hear on a regular basis.

Over the summer we have designed several units of elementary study to ensure that your student comes in ready for the demands of 6th grade math. Please have your son/daughter watch the videos, complete the practice problems, and stay sharp over the 8 week break.

Week 1: Place Value video: <https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-place-value-decimals-top/5th-cc-decimals-place-val/v/writing-a-decimal-to-represent-a-quantity>

Place Value practice: <https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-place-value-decimals-top/5th-cc-decimals-place-val/e/writing-and-interpreting-decimals>

Place Value worksheet: <http://www.commoncoresheets.com/Values.php> (complete 5th grade Identifying Place and Place Value – choose one of the worksheet # 1-5)

Place Value game: <http://mrnussbaum.com/placevaluepirates/>

Place Value Family Activity: http://www.education.com/activity/article/Coupon_Math_fifth/

Week 2: Multiplication Facts video: <https://www.youtube.com/watch?v=RVYwunbpMHA>

Multiplication Facts practice: <http://www.mathplayground.com/multiplication05.html>

Multiplication Facts games: <http://www.fun4thebrain.com/mult.html>

Multiplication Facts worksheet: http://www.math-aids.com/Multiplication/Multiplication_Worksheets_MDV.html

(please use 3 digits, 2 digits and 12 problems)

Week 3: Multiples Video: <https://www.youtube.com/watch?v=7FVITd8C4CY>

Multiples practice:

<http://www.sheppardsoftware.com/mathgames/fractions/LeastCommonMultiple.htm>

Multiples worksheet: <http://www.commoncoresheets.com/Factors.php> (Determining factors
And multiples)

Week 4: Long Division Video: <https://www.khanacademy.org/math/cc-fourth-grade-math/cc-4th-mult-div-topic/cc-4th-division/v/long-division-without-remainder> (can work through all lessons)

Long Division practice/worksheet: <https://www.mathsisfun.com/worksheets/long-division.php>
(work at your level, attempt to do Intermediate and Advanced at both levels)

Week 5: Factors Video: <https://www.youtube.com/watch?v=3q6oqbYF7iY>

<https://www.youtube.com/watch?v=fO7oKDIYHIM>

Factors practice: <http://www.mathsisfun.com/greatest-common-factor.html> (read and
Complete the questions at the bottom of the page)

Factors game: <http://www.math-play.com/Factors-and-Multiples-Jeopardy/Factors-and-Multiples-Jeopardy.html>

Factors worksheet: <http://www.softschools.com/sheets.jsp>

Week 6: Fractions Part 1: Lessons and practice: <https://www.khanacademy.org/math/cc-fifth-grade-math/cc-5th-fractions-topic>

Fractions interactive practice: <https://www.mathsisfun.com/fractions-interactive.html>

Week 7: Fractions Part 2: Fractions games and tutorial review:

<http://www.sheppardsoftware.com/mathgames/menus/fractions.htm>

Week 8: Intro to Integers: Working through these lessons and games will give you a solid foundation of integers. <http://www.sheppardsoftware.com/mathgames/menus/integers.htm>

Thank you for your ongoing support and concern for your student. We are dedicated to making their learning experience the best possible. Please contact us with any questions or concerns.

The 6th grade Math Team

Mrs. Donovan, Mrs. Greable, Mrs. Gallagher, Mr. Donovan