

11 June 2019

Middle School Students and their Parents:

I have detailed IXL topics which the students can use to review material covered in their previous grade's math that help to prepare them for the upcoming school year.

The work is designed to keep students working on math throughout the summer. Students should plan on working on topics for about 2 hours each week. This is an average – it will vary with each student. Students should plan their time accordingly.

If students need assistance, IXL gives a tutorial for each missed problem. If additional help is needed I recommend www.khanacademy.org . Simply search the topic and lessons are there that teach the topic. A free account can be made and progress may be tracked by you but is not necessary. Consistent practice over the summer should keep students fluent with topics and help them start out the year with their best foot forward.

Students should start out by updating their diagnostics. They should know how to do this. If they do not, I can help with that. The diagnostic panel gives a very good indicator of a student's strengths and weaknesses. Students continue working on topics in diagnostics until IXL tells them that they are "up to date". As diagnostics are dynamic, we will again update diagnostics within the first couple days of the new school year.

Students should have an IXL Notebook for their work. Students should review and record the process in their IXL notebooks. This will be required during the school year as well. I will ask for them at the start of the year. As always, I encourage students to show all work for each problem and to do their work neatly and legibly in their IXL notebooks. The notebooks will be graded and entered as the student's first "class work/ project work" grade.

Students should be working to a goal of no less than a smart score of 70 for their summer work. 70 is a minimum level of proficiency in IXL. During the school year we work to a score of 85 for all topics. A mastery score is 100 and highly recommended. Topics listed in bold require a score of 85 for summer work.

Please note that this is a minimum requirement. Students who want to prepare more thoroughly for the upcoming year may complete any topics they wish. I will not check if they have done this, nor will I collect anything. Completing more topics is a good way to anticipate what is coming and to prepare for it.

I hope the students enjoyed math this year and are excited about the upcoming year in middle school. I've provided the pre-course recommended practice and written this note with the intent of helping them retain what they learned last year and to help them prepare for the new school year. If you have any questions or concerns, please contact me at school. Thank you for your time and attention.

Respectfully,

Robert Joe Towner M.Ed.
6th, 7th & 8th Grade Math Teacher
Monsignor Clarke Catholic Regional School
Phone: 401-789-0860
E-mail: rjtowner@monsignorclarkeschool.org
Website: www.monsignorclarkeschool.org

Incoming Grade 6 Summer Work from the 5th grade Curriculum

Area	Topics	Completed Date
Place Value and Number Sense	A.1 to A.13	
Addition and Subtraction	B.1 to B.9	
Multiplication	C.1 to C.23	
Division	D.1 to D.16	
Decimals	G.1 to G.22	
Fractions and mixed numbers	K.1 to K.16	
Mixed Operations	O.1 to O.10	

Incoming Grade 7 Summer Work from the 6th grade Curriculum

Area	Topics	Completed Date
Whole Number	A.1 to A.7	
Multiplication	B.1 to B.8	
Division	C.1 to C.6	
Exponents and Square Roots	D.1 to D.3	
Number Theory	E.1 to E.13	
Decimals	F.1 to F.9	
Decimals Add/Subtract	G.1 to G.4	
Decimals Multiply/Divide	H.1 to H.8	
Fractions and Mixed Numbers	I.1 to I.16	
Fractions Add/Subtract	J.1 to J.9	
Fractions Multiply	K.1 to K.15	
Fractions Divide	L.1 to L.8	
Integers	M.1 to M.9	

Incoming Grade 8 Summer Work from the 7th grade Curriculum

Area	Topics	Completed Date
Number Theory	A.1 to A.11	
Integers	B.1 to B.6	
Integer Operations	C.1 to C.20	
Rational Numbers	H.1 to H.16	
Exponents and Square Roots	I.1 to I.11	
Rates, Ratios and Proportions	J.1 to J.16	
Percents	L.1 to L.11	
Consumer Math	M.1 to M.13	
One Variable Equations	S.1 to S.9	