May 19, 2020

Dear Academy Parents,

Summer vacation is a wonderful time for our children to run, play, explore, socialize, and spend quality time with family and friends. Unfortunately, it is also the time for "summer brain drain". Studies have shown that "on average, students lose approximately 2.6 months of grade level equivalency in mathematical computation skills over the summer months." ("Primer on Summer Learning Loss." *Primer on Summer Learning Loss*. N.p., n.d.) In order to help alleviate some of this summer loss, I am providing your child with a list of skills to complete on **IXL.com**. The **checklist of skills** is **specific to your child** based on the grade and math class that he/she will be completing this school year. **It would be most effective for students to spread out work on these skills over the course of the entire summer rather than trying to complete them all at once. Students will earn an effort grade based on the number of skills that they have satisfactorily completed** (see next paragraph)**.**

IXL is a program designed to promote mastery of skills already taught. The skills on your child's list have been carefully selected based on the material that was covered this past school year and skills that are significantly important for success at the next level. Please note that students should strive for, but do not have to earn 100% to achieve mastery (**80% is considered satisfactory**). Also, students will need to have scrap paper and a pencil on hand to complete many of the problems assigned. **Students need to be mindful as they work on each skill**. **It is not meant to be a speed drill**. Random guessing will result in a poor score and additional problems will be added to the set that will need to be completed to earn 80%. If you notice that your child has spent more than 20 minutes on one particular skill, please encourage him/her to stop working on that skill. A loss of 1% on his/her effort grade is not worth the frustration.

A copy of the skills list for each class will be available on the Holy Name website and current 6th and 7th grade students can access the list on Google Classroom. IXL provides technical support should any questions about use of the program arise.

Thank you for your cooperation and I look forward to working with you and your child during the 2020/2021 school year.

Sincerely,

Mrs. Jeanette Senfftleben

Instructions: Go to IXL.com; enter your user name and password provided. Click on "Math", then click on "Algebra" (if you have already been on IXL for math this step may be unnecessary). Remember, this is a review of what you learned in your 7th grade Algebra class.

A.8	Sort rational and irrational numbers
A.9	Classify rational and irrational numbers
A.10	Classify numbers
B.4	Add and subtract rational numbers
B.7	Evaluate variable expressions involving rational numbers
C.3	Unit rates
C.4	Unit prices
C.5	Solve proportions
D.1	Convert between percents, fractions, and decimals
D.2	Solve percent equations
E.1	Convert rates and measurements: customary units
E.2	Convert rates and measurements: metric units
E.3	Unit prices with unit conversions
G.1	Coordinate plane review
H.1	Properties of addition and multiplication
H.2	Distributive Property
I.3	Simplify variable expressions involving like terms and the distributive property
I.5	Write variable equations
I.6	Does x satisfy the equation?
I.7	Which x satisfies an equation?
I.8	Solve equations using order of operations
J.3	Solve one-step linear equations
J.4	Solve two-step linear equations
J.5	Solve advanced linear equations
J.6	Solve equations with variables on both sides
J.7	Solve equations: complete the solutions
J.8	Find the number of solutions
K.1	Graph inequalities
V.2	Exponents with decimal and fractional bases
X.1	Evaluate an exponential function