

**May 2019**

**Dear Parent(s);**

**I'm excited to be working again with your incoming 8th graders next year in Mathematics.**

**A mandatory summer assignment for Mathematics is in place for all Junior High students at SPX. The lessons are from the 7<sup>th</sup> and 8th grade IXL list and I specifically chose these lessons knowing which skills are needed to be successful in 8th grade Pre-Algebra and Algebra I.**

**Students enrolled in Algebra I will be working from the 8<sup>th</sup> grade IXL list, and Pre-Algebra students will be working from the 7th grade IXL list. This summer assignment will be considered a test grade for the first quarter. A minimum of 85% for regulars and 90% for honors is needed before moving on to the next lesson. An hour a week would probably be sufficient to accomplish this, and will help us cut down on review time in the first quarter. This process will be available all year for extra credit.**

**IXL typically reboots their lessons around the beginning of August, and sometimes the coding changes. Please try to get these done before that time. Paying attention to the title of the lesson versus the coding is a good idea...IF the coding changes before your student is able to complete the IXL.**

**In addition, if you would like even more practice, a diagnostic tab/tool is available. This will provide the student and myself with valuable diagnostic information and will be required throughout the school year.**

**Have a good summer!**

### 8<sup>th</sup> grade IXL (heading into Alg I)

D.5 Identify Rational and Irrational	
D.8 Rational Numbers in Order	
F.12 Evaluate Expressions with Exponents	
H.9 Ratios / Proportions	
I.9 Equations / Proportional relationships	
Y.1 Find slope	
Y.2 Slope with two points	
Y.5 Graph a Line	
Y.6 Slope-Intercept form	
Y.7 Write Linear Equations	
Z.1 Identify Functions	
Z.2 Satisfy the linear functions	
Z.6 Evaluate linear functions	

### 7<sup>th</sup> grade IXL (Heading into 8<sup>th</sup> Mathematics)

C.5 Add & Subtract...	
H.4 Compare Rationals	
H.5 Put Rationals in Order	
I.10 Estimate square roots	
J.4 Equivalent ratios	
J. 5 Unit rates	
J.9 Do ratios form proportions	
J.13 Rate of Change	
K.7 Interpret graphs of proport relation	
L.6 Percent of Numbers	
V.1 Slope from a graph	
X.12 Side lengths; Angle Measures	
AA.4 Perimeter & Area	