WHITMAN-HANSON REGIONAL SCHOOL DISTRICT

Hanson Middle School   111 Liberty Street Hanson, MA 02341   (781) 618-7575
Whitman Middle School   100 Corthell Avenue Whitman, MA 02382   (781) 618-7035

June 07, 2019

Dear Parents, Guardians, and Students:

In an effort to provide all Whitman-Hanson incoming 9th grade students with an opportunity to continue practicing math over the summer, we are excited to announce the new IXL Summer Math Challenge 2019! As with the district's new middle school summer reading program, the primary goal of this learning opportunity is to minimize loss of understanding during the summer months and carry some momentum into the new school year to help prepare you for success with the new math concepts that will be presented next year.

On the back of this letter you will find a list of 10 math skills that we have identified from the IXL Learning website (https://www.ixl.com/) that we feel would be most helpful to practice over the summer. We limited the list to 10 to correspond roughly to the number of weeks of vacation. It is important to note that the skills selected are from the **current grade** and therefore should be familiar to students. Furthermore, anytime a question is answered incorrectly, the right answer along with an explanation of the mistake is provided. It is also important to note that, although we feel this opportunity is beneficial, it is **optional** and there is **no penalty** if you do not participate. For those who do take advantage and practice all of the listed IXL skills over the summer (which your math teacher next year can tell from a report in their own account during the first week of school), you will receive a certificate of completion and earn homework credit.

All middle school students in Whitman-Hanson already have an IXL account and many have been using the site to practice math throughout the school year. Therefore, you may already know your login information from memory, but just in case you forget over the summer we have provided a space to write your username and password. Since it is possible that you may have practiced one or more of the listed skills during the school year, you should note any progress made already on a particular skill prior to the start of summer. We recommend that all students strive to achieve a **Smart Score of 80 or above** (out of a maximum of 100) for each listed skill. Lastly, please be aware that for families with limited or no internet access over the summer, there is an IXL Learning app that can be used on a smart phone or tablet without being connected to the internet (see https://www.ixl.com/apps for download instructions).

Students must complete the IXL Summer Math Challenge by **Thursday, August 22nd** to allow time for rollover of all district IXL accounts prior to the start of the new school year. Please do not hesitate to contact me with any questions or concerns.

Have a wonderful summer!

Brian Selig
6-12 Mathematics Curriculum Chair
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SUMMER MATH CHALLENGE 2019!

Website: https://www.ixl.com/

Username _____   Password _____

Step 1: Sign into IXL

| Username | Password | **Sign in** |

Step 2: Click on "Learning"

Learning

Step 3: Click on "Math"

Recommendations | Diagnostic | Math
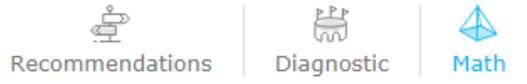
Step 4: Scroll to "Eighth grade"
Click on "See all 344 skills"

8 Eighth grade
Includes: Graph a line from length of the hypotenuse | R

See all 344 skills ›

Step 5: Scroll to find or click directly on one of the skills in the table below (remember that if you already practiced a particular skill this year you should write down number of questions answered and your SmartScore before you start practicing at the start of the summer)

Eighth Grade Skill	Start of Summer (06/13)		End of Summer (08/22)	
	Questions answered	SmartScore out of 100	Questions answered	SmartScore out of 100
O.17 Transversal of parallel lines				
P.6 Translations: graph the image				
P.10 Reflections: graph the image				
P.12 Rotations: graph the image				
Q.2 Dilations: graph the image				
R.1 Pythagorean Theorem: find the length of the hypotenuse				
R.2 Pythagorean Theorem: find the missing leg length				
W.12 Solve equations: mixed review				
Y.6 Graph a line from an equation in slope-intercept form				
Y.8 Write a linear equation from a graph				