Dear Students,

Congratulations! You’ve completed a very interesting school year…a first for us all. We would like to continue to support you and recommend that you take time over the summer to log into IXL and work on our 8th grade curriculum, as well as improve your knowledge base, wherever you are at this time.

**IXL Skills Review**

Below are recommendations for keeping skills fresh for a strong start as 9th grade Algebra students. *Please be aware that your access to IXL will end on August 15th*. For tutorials to support your understanding of any of these skills, view the videos we have selected. Our goal for sharing this information is simply to supply you with a reliable resource for accessing review, as needed. Know that by addressing any of these practice recommendations, you are doing so for your own well-being and confidence for entering Algebra. We wish you a summer filled with much needed re-connection with your family and friends and a wonderful experience as Kingston High School students. We will miss you!

**Go to the Algebra I page on IXL and look for these skills**

**Exponents**

V.1 Exponents with Integer Bases  Video  [https://www.youtube.com/watch?v=pKzg2N2Yyk8](https://www.youtube.com/watch?v=pKzg2N2Yyk8)

V.2 Exponents with Decimal and Fractional Bases  Video  [https://www.youtube.com/watch?v=MlSBeV8dMDw&feature=youtu.be&end=200](https://www.youtube.com/watch?v=MlSBeV8dMDw&feature=youtu.be&end=200)

V.3 Negative Exponents  Video  [https://www.youtube.com/watch?v=wSracfnFl8](https://www.youtube.com/watch?v=wSracfnFl8)

V.4 Multiplication with Exponents  Video  [https://www.youtube.com/watch?v=wSracfnFl8](https://www.youtube.com/watch?v=wSracfnFl8)

V.5 Division with Exponents  Video  [https://www.youtube.com/watch?v=khLTbG0VB3Q](https://www.youtube.com/watch?v=khLTbG0VB3Q)

**Operations**

B.1 Add, Subtract, Multiply and Divide Integers

   Video Integer Addition and Subtraction  [https://www.youtube.com/watch?v=_BgblvF90UE](https://www.youtube.com/watch?v=_BgblvF90UE)

   Video Integer Multiplication and Division  [https://www.youtube.com/watch?v=K_tPbVPfHgk](https://www.youtube.com/watch?v=K_tPbVPfHgk)

B.2 Evaluate Numerical Expressions Involving Integers  Video  [https://www.youtube.com/watch?v=42Su4r5UmoE](https://www.youtube.com/watch?v=42Su4r5UmoE)

B.4 Add and Subtract Rational Numbers

  Video Add Rational Numbers  https://www.youtube.com/watch?v=yZYu0debFtE

  Video Subtract Rational Numbers  https://www.youtube.com/watch?v=VDmSK1W5BM8

B.5 Multiply and Divide Rational Numbers Video  https://www.youtube.com/watch?v=sy0YSJHlvtk

Linear Equations

G.1 Coordinate Plane Review Video  https://www.khanacademy.org/math/basic-geo/basic-geo-coord-plane/coordinate-plane-4-quad/v/the-coordinate-plane


S.7 Slope Intercept Form: Graph an Equation Video  https://www.youtube.com/watch?v=uk7gS3cZVp4

S.8 Slope Intercept Form: Write an Equation from a Graph Video  https://www.youtube.com/watch?v=BC3uMIUyy6U

S.4 Find the Slope given Two Points Video  https://www.youtube.com/watch?v=8trWFtwyUMU

Solving Equations

J.3 Solve one-step linear equations

  Video: Solve One Step by Addition and Subtraction  https://www.youtube.com/watch?v=jWpiMu5LNdg&feature=youtu.be

  Video: Solve One Step by Multiplication and Division  https://www.youtube.com/watch?v=a3acutLstF8&feature=youtu.be


I.3 Simplify variable expressions involving like terms and the distributive property

  Video: Distributive Property and Combining Like Terms  https://www.youtube.com/watch?v=4bD8DOXBOeo

J.5 Solve advanced linear equations Video  https://www.youtube.com/watch?v=ikSZld28_o

J.6 Solve equations with variables on both sides Video  https://www.youtube.com/watch?v=1c5HY3z4k8M&feature=youtu.be