To: Students taking Geometry during the 2018-2019 academic year

Fr: Mrs. Rogers, Mr. Webber, Mr. D'Aboy, Mrs. Fisher and Mr. Quinlan

The following IXL modules will help you prepare for success in Geometry. Check off the module as you reach a SmartScore of 80, but you may want to try to earn up to 100 to show perfection. There are 14 Algebra I modules, 17 Geometry modules and 11 weeks during the 2018 summer. This means if you plan to complete about 3 modules a week, then you should be in business and ready for a great year in Geometry. Most of the Geometry Topics are either middle school geometry modules (examples: Area and Surface area) or high school modules where students can become familiar with a specific trouble area during the year in geometry (examples: HH.1: Trig ratios and I.1, I.2: Identify hypotheses and Counterexamples).

Good luck and please email any of the above listed instructors during the summer if you have any questions.

Algebra 1 Topics

- [ ] B.1: Add, subtract, multiply, and divide integers
- [ ] B.2: Evaluate numerical expressions involving integers
- [ ] B.3: Evaluate variable expressions involving integers
- [ ] C.5: Solve proportions
- [ ] F.14: Pythagorean theorem
- [ ] G.1: Coordinate plane review
- [ ] G.2: Midpoints
- [ ] H.2: Distributive property
- [ ] H.3: Simplify variable expressions using properties
- [ ] J.2: Write and solve equations that represent diagrams
- [ ] J.6: Solve equations with variables on both sides
- [ ] S.19: Graph a horizontal or vertical line
- [ ] EE.1: Simplify radical expressions
- [ ] HH.1: Trigonometric ratios: sin, cos, and tan

Geometry Topics

- [ ] B.3: Additive property of length
- [ ] B.5: Congruent line segments
- [ ] C.1: Angle vocabulary
- [ ] C.3: Identify complementary, supplementary, vertical, adjacent, and congruent angles
- [ ] D.1: Identify parallel, perpendicular, and skew lines and planes
- [ ] D.3: Transversals: name angle pairs
- [ ] F.1: Classify triangles
- [ ] H.1: Parts of three-dimensional figures
- [ ] I.1: Identify hypotheses and conclusions
- [ ] I.2: Counterexamples
- [ ] S.1: Perimeter
- [ ] S.2: Area of rectangles and squares
- [ ] S.3: Area of parallelograms and triangles
- [ ] S.4: Area of trapezoids
- [ ] S.5: Area and perimeter in the coordinate plane I
- [ ] T.2: Surface area of prisms and cylinders
- [ ] T.3: Surface area of pyramids and cones

Again, this is a great opportunity to be prepared for a great year in Geometry! Best of luck to you and please, email any of the teachers above if you have any questions regarding any of the modules.

Thank you,

CHS Geometry Team!