Lesson Plan—Week 21 Chris Huson
Thursday March 2, 2017 Room 414

11.2 Geometry

Unit 4: Similarity

Guiding question: How do we compare similar polygons?

CCLS: G-SRT.B.5 Use similarity criteria for triangles to solve problems

Do Now: Login to DeltaMath

Lesson: Area relationship of similar triangles

Task: Practice exercises for dilation, ratios, translations

Assessment: Deltamath proficiency and completion scores

Homework: Workbook p. 187 Similar polygons exercises

Open questioning: How are the different methods of calculating similarity ratios the same? How are they different? How are the ratios related to dilation?

Build on prior learning: Fractions, proportions, operations with ratios, simplifying fractions, dilation transformations, geometric notation & terminology

Mathematical literacy/ vocabulary: Auxiliary line, radical, average, mean, sum of squares

Tools & technology: Smartboard geometry tools, Deltamath accounts, laptop practices

Keys: Mathematical arguments as a sequence of logical statements

Student engagement / differentiation: *exceeding standards* – prove assertion to class, *meeting standards* – contribute within a group, *below standards* – one-on-one w teacher

Heterogeneous grouping (4(3) students), exceeding/below standards:

Nyasia, Sugeidy, Erika

Raul, Djeneba, Briana, Armando

Joshua, Jackie, Yissel, Kyenne

Arenazia, Yuleydi, Jerry, Tysean

Eduardo, Miguel, Soleinys, Deanne

*IEP, **ELL