

**ZMATH 2015e.00631**

**Hede, Jordan T.; Bostic, Jonathan D.**

**Connecting the threads of area and perimeter.**

Teach. Child. Math. 20, No. 7, 418-425 (2014).

From the text: Instruction should allow students to regularly engage with problems that require synthesis and the creation of novel products. These opportunities to learn through rich tasks ought to encourage children to (1) adapt to novel situations, (2) apply efficient and effective strategies, and (3) collaborate to solve a problem. To meet these goals, I designed a project for my students that supported them in synthesizing their knowledge about perimeter and area formulas. The Quilting task described here encourages students to use their imagination to create a quilt square while engaging with the mathematics found in the Common Core State Standards for Mathematics.

*Classification:* G42 G92 M82 D82

*Keywords:* activities; mathematical concepts; geometric concepts; handicrafts; area; perimeter; project work; mathematics and arts

<http://www.nctm.org/publications/article.aspx?id=41295>