

Transcript – Building Depth and Complexity

We have used this graphic in prior modules to illustrate the multiple connections that need to be made for students to build a strong mathematics network.

How does this graphic capture the intent for the mathematical process standards?

Some of your responses may include:

- The graphic shows the connection of mathematical ideas to each other.
- The mathematical process standards help us make connections between mathematical ideas, as well as across disciplines.

According to the Texas Response to Curriculum Focal Points for Kindergarten through Grade 8, “Each curriculum focal point also includes all of the TEKS for the underlying processes in that grade to emphasize the use of these mathematical processes throughout the curriculum.”

A similar statement may be made about the use of the mathematical process standards throughout Algebra I, Geometry, and Algebra II. The knowledge and skills statement for the mathematical process standards is, “The student uses mathematical processes to acquire and demonstrate mathematical understanding.” Each knowledge and skills statement begins with, “The student applies the mathematical process standards when”