

Establish Goals to Focus Learning

Effective teaching of mathematics establishes clear goals for the mathematics that students are learning, situates goals within learning progressions, and uses the goals to guide instructional decisions.

NCTM (2014, p. 12)

As a teacher I...

- plan short-term and long-term goals informed by the Kentucky Academic Standards, including both the content standards and Standards for Mathematical Practice.
- communicate to students what mathematics they will learn in a specific lesson and over time.
- connect prior learning to today's goals.
- pose questions that connect tasks and students' thinking to learning goals.
- reflect on these goals to plan lessons and adjust teaching as needed to help students succeed.

Adapted from NCTM (2014, p. 16)

TEACHERS AND STUDENTS NEED TO BE ABLE TO ANSWER THE FOLLOWING:

- What mathematics is being learned?
- Why is it important?
- How does it relate to what has already been learned?
- Where are these mathematical ideas going?

so that my students...

- talk about the mathematical goals for the day (What are we learning? Why is it important?).
- use the learning goals to see the purpose in the tasks they are exploring.
- reflect on their progress in understanding the mathematical content and using the practice standards.
- connect today's learning to what they learned before.
- explain what they have learned and how it relates to the lesson goals.

