

CMP-CTE-Connection (C³) Institute Theory of Action

Students need to be able to make meaningful connections between what they are learning in school and how it applies to their future to be college and career ready.

Reflection and processing questions:

- Why is it important for students to make meaningful connections between school and the future (college and career ready)?
- What meaningful connections can students make between what they are learning and how it applies to their future? Be specific.

Educators need to provide students with opportunities to work on relevant projects, involving real products and real consequences, promoting the authentic application of both academic content and relevant occupational practice.

Reflection and processing questions:

- Why should educators provide relevant projects for students?
- What relevant projects can be provided for students?
- What can the products be?
- What are the real consequences of these projects (i.e., how can these projects be used in the community and/or industry now)?
- How can the projects promote authentic applications of academic content?
- How can the projects promote authentic applications of occupational practice?

Instruction needs to develop students' mathematical content knowledge and develop mathematical character as described in the Common Core State Standards; students *know* the mathematics and can *use and apply* the mathematics in the context of 21st century skills.

Reflection and processing questions:

- Why do we need to develop students' mathematical character?
- How can we develop students' mathematical content knowledge?
- How can we develop students' mathematical character?
- How can students use and apply the mathematics they learn?
- What concepts will students gain that will enable them to succeed in the 21st century economy?