



Course Outline

In this course, Conceptual Categories in High School you will explore the content standards in the high school grades, and learn about their connection to the Standards for Mathematical Practice, understand how these content standards are organized differently from grades K-8 and why they are important for your students, and consider implications for your classroom practice.

Some typical course activities include:

- Learning about the organization and structure of the Standards for Mathematical Content for grades 9-12
- Reading and reflecting on professional readings
- Connecting the content standards to your instructional practice
- Reflecting on your own learning

Throughout the course, opportunities are provided for you to connect your learning across sessions and to explicitly consider the implications of your learning for your classroom practice.

Goals & Purpose

Session 1 – Conceptual Categories in High School

- Learn about the organization of the high school Standards for Mathematical Content is different from that for grades K-8
- Recognize the importance of rigor and of the Standards for Mathematical Practice in implementing the high school Standards for Mathematical Content

Session 2 – The Structure of the High School Standards

- Examine the structure of the high school content standards
- Consider the relationship between conceptual categories and high school mathematics courses

Session 3 – An Overview of the Conceptual Categories

- Learn about the domains and cluster headings within each conceptual category
- Recognize how the conceptual categories are related, particularly how the Modeling category plays out across all conceptual categories

Session 4 – The Structure of the High School Standards

- Learn about the two potential pathways presented in Appendix A

- Learn about the “critical areas” in each pathway
- Consider implementation for the pathways in your classroom

Session 5 – Course Summary

- Review information and/or activities you completed in earlier sessions

Throughout the course, opportunities are provided for teachers to connect their learning across sessions and to explicitly consider the implications of that learning for classroom practice. Teachers will also be able to revisit their work and reflections by viewing their individual Course Portfolios.