

2017 CURRICULUM AND KNOWING SUMMER INSTITUTES
COURSE DESCRIPTIONS

June Institutes

EDUC 357: **Curriculum and Knowing in Mathematics**
 “Everyone’s Invited: Making Mathematics Fun & Accessible to All Students”

DATES: **Thursday, June 22, Friday, June 23, Monday, June 26, Tuesday, June 27, and Wednesday, June 28**

TIME: **8:30 am – 4:30 pm**

LOCATION: **Jonas Clark 106**

One of the most important goals in any math classroom is to create confident problem solvers who are college-ready. Have fun making math come alive with us as we explore, discuss, and write about the way we understand concepts found in the Common Core Practice and Content Standards that challenge the learners in our classrooms. A large part of helping students make sense of mathematics is knowing where they’re coming from and where they are going, so we’ll work as a team both to experience and create interactive lessons across grade levels K-12 that both support and extend the thinking of ALL of our students. Experiment with geometry, algebra, number sense, and more, and discover and create valuable manipulatives, resources, and activity ideas to take back to your own classrooms. Prepare to experience “a-ha” moments of your own, which will rejuvenate your excitement about math! Participants will prepare a collection of lesson plans and activities to use with their students as a final project.

EDUC 354: **Curriculum and Knowing in History**
 “Developing Young Historians/Social Scientists”

DATES: **Thursday, June 22, Friday, June 23, Monday, June 26, Tuesday, June 27, and Wednesday, June 28**

TIME: **8:30 am – 4:30 pm**

LOCATION: **Jonas Clark 001**

The essential work of any historian or social scientist, whether a professional researcher or a kindergartener, is to carefully examine different documents and evidence to develop conclusions from them. Whether examining photos and maps in a first grade classroom or preparing students for an A. P. Test’s Document Based Question, there is a similar process to engaging in this work. This Institute will explore a four-stage process for developing these skills in youthful historians. This Institute will take a workshop approach and offer hands-on activities and strategies for engaging in each stage of this process. As well, we will look at how to integrate historical fiction, performance projects and off-site field experiences into the curriculum. Models at the elementary and secondary level will be offered and participants will begin to develop their own units in line with their respective content focus. Participants will share their experiences and results of implementing this process with students in the fall.

EDUC 342: Curriculum and Knowing in Science
 "Science for All: Teaching Science for Understanding"
DATES: Monday, June 26 – Friday, June 30
TIME: 8:30 am – 4:30 pm
LOCATION: Education Department Conference Room in Jonas Clark Hall

This Institute is designed for **Elementary, Middle and Secondary** teachers who wish to enhance their knowledge base on effective science teaching. Exemplary lessons will be shared by *local* elementary, middle and high school teachers. Participants will prepare a summary of how ideas and strategies of the institute have informed their teaching and student learning for implementation in their classrooms. The Institute will focus on several themes, including: Science vocabulary, Friendly Framework flow, Discrepant events, Science on a shoestring budget and The 5 e Model.

August Institute

EDUC 355: Curriculum and Knowing in the Humanities
 "Engaging Literature"
DATES: Thursday, August 17, Friday, August 18, Monday, August 21, Tuesday, August 22, and
 Wed., August 23
TIME: 8:30 am – 4:30 pm
LOCATION: Winton Dining Room (in Higgins University Center)

Participants in this institute will read, discuss, and respond to multicultural literature written for adults and children, with a focus on thematic connections and author's craft. Through a range of active engagements with literature, readings of professional articles, and reflective, analytical and creative writing, we will read and discuss text sets organized by genre, author and theme. Members of the Humanities Curriculum Team and past participants in the Humanities Institute will share their strategies for using diverse modes of responding to literature in classrooms at the elementary, middle, and secondary levels. Participants will complete literature projects in their own classrooms in the fall and reconvene in November to share their work.

To reserve a spot in an Institute, please email **Cindy Gabriel, Office Assistant in the Education Department**, at cgabriel@clarku.edu.

Please include:

- Your Name
- School
- Grade level you teach
- Phone
- Email
- Please let us know if you are a full-time, contracted Worcester Public School teacher
- For the Science Institute, please include the science subject(s) that you teach

Teachers may take an Institute in the same curriculum area more than once with the approval of the Institute Instructor(s), provided that the content for that Institute has changed.

Teachers may take the Summer Institutes for graduate credit. The Institutes are tuition-free for Worcester teachers who have not taken more than three tuition-free Education courses. Space is limited.

You will need to complete an online Clark registration form prior to the class.