

professional  
development  
K-12 EDUCATORS  
& training

# TEACHER CLASSES<sup>2019/20</sup>

**2019-2020 SCHEDULE**

**October 16, 2019 to May 14, 2020**

**Each class addresses NGSS.**

See our website for full class descriptions, specific concepts, and practices addressed.

**All classes offer PDCHs (CPDUs).**

Graduate credit through Dominican University is optional for most classes. Dominican University will accept up to 6 hours of credit from these class options as electives in their MaEd program.

*Register online at [www.CZS.org/Teacher-Classes](http://www.CZS.org/Teacher-Classes)*

# professional development & training

K-12 EDUCATORS

OCT  
16

## NGSS Science & Engineering Practices: Teaching Through Inquiry

All Grade Levels

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Wednesday, October 16, 2019 (5:30 p.m. to 7:30 p.m.)

Still struggling with NGSS? This class will help you better understand the NGSS Science & Engineering Practices so you can incorporate them into your own classroom setting. Activities will show you how to actively engage students in an inquiry exploration and how to integrate literacy strategies that assist students in scaffolding their learning. You will spend time reflecting upon how it feels to be an engaged, active learner.

\$45, 2 PDCHs (CPDUs) | *Includes class set of materials to take away!*

OCT  
30

## Unpacking the NGSS Cross-Cutting Concepts

All Grade Levels

Wednesday, October 30, 2019 (5:30 p.m. to 7:30 p.m.)

Enhance your knowledge, use, and implementation of the Cross-Cutting Concepts in your classroom through a variety of activities. Multiple content areas are explored through critical-thinking strategies that will help you gain a better understanding of phenomenon-based learning and open-questioning techniques.

\$45, 2 PDCHs (CPDUs) | *Includes class set of materials to take away!*

NOV  
6

## NGSS-Practical Steps to an NGSS-Aligned Lesson

All Grade Levels

Wednesday, November 6, 2019 (5:30 p.m. to 7:30 p.m.)

Gain an understanding of how to read the NGSS, including the Performance Expectations, Science & Engineering Practices, Disciplinary Core Ideas, Cross-Cutting Concepts, Essential Questions, Grade Progressions, and Common Core Connections. This deep review will give you a starting point for creating a student-centered lesson. Time will be provided for participants to work in grade bands to create lesson plans. **Please bring an existing lesson with you to this training.**

\$35, 2 PDCHs (CPDUs)

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NOV  
20

## Aligning Cookbook Labs to NGSS & Inquiry

All Grade Levels

Wednesday, November 20, 2019 (5:30 p.m. to 7:30 p.m.)

Think like teacher and student in this workshop. Practical tips will be provided to incorporate existing labs and increase alignment with NGSS and inquiry. Engage in a lab from the student perspective and in various parts of the lab process to identify techniques that increase student investment in their learning.

\$45, 2 PDCHs (CPDUS) | *Includes class set of materials to take away!*

DEC  
5

## Utilizing Technology in the Classroom

All Grade Levels

Thursday, December 5, 2019 (5:30 p.m. to 7:30 p.m.)

Technology in the classroom is commonplace with many schools having a one-to-one ratio. In this session, learn how Google Science Journal and Flipgrid, along with applications in your classroom, can make learning more interactive and collaborative, and how technology in the classroom is more than just a replacement for paper.

\$45, 2 PDCHs (CPDUS) | *Includes class set of materials to take away!*

Register for the 10/16, 10/30, 11/6, 11/20 and 12/5 classes  
for an optional graduate credit.

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DEC  
7

## Learning Through the Arts

All Grade Levels

Saturday, December 7, 2019 (9:00 a.m. to 4:00 p.m.)



Since opening its doors in 1934, Brookfield Zoo has been home to various forms of artwork—from the original art deco signage and buildings to the murals, paintings, and sculptures that are present throughout the zoo's 214 acres. By utilizing the inquiry process, engage in various forms of artful learning activities and use your discoveries to incorporate the arts into your classroom units.

\$80, 7 PDCHs (CPDUs)

FEB  
15

## Amping Up Amplify

All Grade Levels

Saturday, February 15, 2020 (9:00 a.m. to 4:00 p.m.)

Many school districts have recently adopted the Amplify Science curriculum that is aligned to the Next Generation Science Standards. During the training, work within grade bands to learn about ways this curriculum can come to life. We will demonstrate hands-on activities that complement the content. **Please bring your Amplify Science curriculum to this training.**

\$80, 7 PDCHs (CPDUs)

MAR  
11

## Differentiation & NGSS Lesson Planning

All Grade Levels

Wednesday, March 11, 2020 (5:30 p.m. to 7:30 p.m.)

Learn methods to vary instruction at the individual and group levels. During the training, you will conduct an activity from multiple learner perspectives. You will have ample time for reflecting—as both a “student” and as a “teacher”—when thinking about how individual needs can be met while the rigor can be kept high. You will also learn about resources that are available to assist with class discussions of readings in a multi-ability classroom.

\$45, 2 PDCHs (CPDUs) | *Includes class set of materials to take away!*

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MAR  
21

## Dr. Seuss Inspired Science

All Grade Levels

Saturday, March 21, 2020 (9:00 a.m. to 4:00 p.m.)

Love to use picture books and storybooks in your classroom? Learn how Dr. Seuss books and other children's conservation-themed books can help you expand your students' content knowledge in science with learning literacy skills. Incorporate science, literacy, social sciences, and math in your curriculum while having a great time with time-honored literary characters.

\$80, 7 PDCHs (CPDUs)

MAR  
25

## Reflections on Classroom Practices

All Grade Levels

Wednesday, March 25, 2020 (5:30 p.m. to 7:30 p.m.)

A large majority of teacher evaluations and observations are devoted to Charlotte Danielson's Framework within Domain 3: Instruction. This session devotes time for you to self-analyze your own practices, set goals to reach your ideal balance for incorporating different teaching strategies in your classroom, and develop ways to coach your colleagues.

\$35, 2 PDCHs (CPDUs)

APRIL  
15

## Argumentation & Discussion in the Classroom

All Grade Levels

Wednesday, April 15, 2020 (5:30 p.m. to 7:30 p.m.)

Learn new strategies to enhance student discussions in your classroom! This training will focus on building classroom culture, making decisions, and arguing with evidence (both written and verbal). We will cover best practices to facilitate small and large group reporting, individual and large group reflection, listening and waiting turns to speak, teamwork/collaboration, individual accountability, synthesizing evidence, drawing others into conversation, asking questions, and recognizing balanced versus unbalanced discussions.

\$45, 2 PDCHs (CPDUs) | *Includes class set of materials to take away!*

APRIL  
25

## Brookfield Zoo Mini-Conference

All Grade Levels

Saturday, April 25, 2020 (9:00 a.m. to 4:00 p.m.)

Attention K-12 Educators! Spring is here! Reenergize yourself and bring some new techniques back to your classroom! Sessions will be presented by both CZS staff and specialists from other local organizations. They will focus on inquiry-based learning, engineering, NGSS, differentiation, meaningful classroom conversations, accommodations for English-language learners, phenomena-based instruction, holistic learning, and so much more!

\$80, 5 PDCHs (CPDUs) | *Lunch provided.*

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APRIL  
29

## Active Assessment in the Classroom

All Grade Levels

Wednesday, April 29, 2020 (5:30 p.m. to 7:30 p.m.)

Effective assessment practices in the classroom benefit both the teacher and the learner. Learn how to actively evaluate your students and how to better engage students in the assessment process. These methods create ownership and show students how to learn from mistakes and engage as a learning community in the school. By the end of this session, you will have chosen three to five new formative assessment strategies to use in your classroom and learned ways to incorporate the student voice in assessment practices.

\$35, 2 PDCHs (CPDUs)

MAY  
2

## NGSS & Student- Centered Learning

All Grade Levels

Saturday, May 2, 2020 (9:30 a.m. to 3:30 p.m.)

Learn pedagogical strategies that are directly related to the Next Generation Science Standards. This training focuses on collaboration that will assist you with finding ways in which to emphasize best practices. You will reflect as both a "student" and as a "teacher" throughout the day to learn best practices you can immediately implement in your classrooms.

\$90, 5.5 PDCHs (CPDUs) | *Includes class set of materials to take away!*

MAY  
14

## Taking the Learning Outside: Utilizing Nature in an NGSS Aligned Classroom

All Grade Levels

Thursday, May 14, 2020 (5:30 p.m. to 7:30 p.m.)

Science is everywhere—especially in nature! Learn techniques to link your classroom to the natural world through exploration and observations.

\$45, 2 PDCHs (CPDUs) | *Includes class set of materials to take away!*

Register for the 3/11, 3/25, 4/15, 4/29, and 5/14 classes  
for an optional graduate credit.