Summer New Curriculum Institute Science K-Grade 3

Facilitator(s):	Chris Zarski, Nicole Lamoureux, Ted Zarowny
Date(s):	*This is a multi-day event.* • Day 1: Aug 21, 2023 (8:30 am to 10:00 am) • Day 2: Aug 22, 2023 (8:30 am to 10:00 am) • Day 3: Aug 23, 2023 (8:30 am to 10:00 am) • Day 4: Aug 24, 2023 (8:30 am to 10:00 am)
Cost:	
Location:	Virtual
Session Code:	24-NC-056

Target Audience

K-3 teachers

About this Learning Opportunity

Day 1 August 21 (8:30 a.m. - 10:00 a.m.): Curriculum Overview

Presenter: Chris Zarski

Day 1 is an introductory session that will provide participants with an overview of the K-3 Science curricula including a brief background to the creation of new curricula and examination of its structure. Participants will also become familiar with the organizing ideas and will learn how the Knowledge, Understandings, and Skills and Processes components work together.

Day 2 August 22 (8:30 a.m. - 10:00 a.m.): Scientific Methods: From Madness to Methods

Presenter: Nicole Lamoureux

Day 2 examines the Scientific Methods organizing idea. The science methods are used to help students use investigations to build an understanding of the science ideas they are learning. This session will provide an overview of the science methods for Grades 1-3. Participants will examine how the skills are built from year to year to deepen students' understanding of the methods. Note: Kindergarten does not have learning outcomes for scientific methods

Day 3 August 23 (8:30 a.m. - 10:00 a.m.): Wait! What? I'm teaching Computer Science?

Presenter: Angela Dearing

About the Facilitator(s)

Chris Zarski

Chris Zarski has been an educator for over 40 years, and has served as a teacher, principal, supervisor and director and Examiner for Alberta Education. Currently is serving as a Curriculum Implementation Consultant with CARC on secondment from her role as the Director of Instruction and Staff Development for STAR Catholic Schools. Chris has led numerous district wide initiatives, provided over 600 professional learning sessions, and co-authored/consulted on 18 mathematics resources. She is actively involved with the pedagogy of deeper learning, authentic assessment designs enhancing curriculum delivery and the integration of FNMI resources into all curriculums. Chris loves to learn and believes that all students have the ability to learn at high levels. She also believes that teachers have the best profession ever – enlightening new minds and sparking interest in learning!

Nicole Lamoureux

Ted Zarowny

Ted began his career in education as a Social Studies and English Language Arts teacher at the Junior High and High School levels. After teaching in a variety of communities in Saskatchewan and British Columbia, Ted moved to Alberta where held the position of principal at a school focused on gifted education.

Ted’s educational journey has ignited his passion in the area of instructional pedagogy including learning for transfer, conceptual learning and the instruction of thinking skills.

Day 3 provides an overview of Computer Science and provides answers to the following questions. What exactly IS Computer Science, when looked at through the curricular lens of “application of creativity, design, and computational thinking” to solve problems and help us engage in scientific inquiry? What does successful integration of Computer Science across the grades look like? How can we teach it and support each other integrating it into instructional practices effectively when we’ve never taken a computer science course ourselves? Leave this session not only with a better understanding of what the curriculum is asking us to do in the area of Computer Science, but also with the assurance that you already have the skills and procedures in place yourself, which can help you guide your students in their own Computer Science inquiries over their first few years in school.

Day 4 August 24 (8:30 a.m. - 10:00 a.m.): Putting it All Together

Presenter: Ted Zarowny

Day 4: Will bring together elements from the first three sessions by providing examples of how to turn the content of the new curriculum into meaningful learning and assessment activities.

Trained in Control Theory and Restitution-Self Discipline (a restorative justice approach), Ted has extensive experience with approaches and techniques that address the social/emotional needs of students. Ted is excited to share his skillset with others to help them refine practices and mindsets that enrich the learning experiences of students.

Areas of Expertise include:

Effective Instructional Approaches
Learning for Transfer & Conceptual Learning

This learning opportunity is being subsidized through funding from Alberta Education.