



**TECHNOLOGY SUPPORTED LEARNING – APPROPRIATE AND STRATEGIC USE OF DIGITAL TOOLS**

**K-2 and 3-5 MATHEMATICS CONTENT SESSIONS**

**INTENSIVE LEARNING EXPERIENCES**

FALL 2017					WINTER-SPRING 2018			
GRADE	DATE	FOCUS AREA	DATE	FOCUS AREA	DATE	FOCUS AREA	DATE	FOCUS AREA
K - 2	September 28, 2017	Building Early Number Concepts and Developing Meaning of Operations	October 23, 2017	Innovative Approaches to Developing Number Sense and Operations in the K-2 World	January 12, 2018	Model-based Problem Solving in the K-2 World	February 8, 2018	Data Collection and Analysis in the K-2 World
3 - 5	October 9, 2017	Building Conceptual Understanding of Operations and Algebraic Thinking	November 2, 2018	Developing Fraction Concepts and Operations	January 16, 2018	Geometric Thinking and Model-based Problem Solving	February 16, 2018	Explorations of Measurement and Data Concepts

**EACH SESSION TARGETS LEARNING ACROSS GRADE LEVELS**



**STEM-INFUSED LEARNING SESSIONS**

**RIGOROUS INQUIRY IN SCIENCE AND MATHEMATICS PROBLEM SOLVING  
GRADES K-2 AND 3-5**



FALL 2017			WINTER- SPRING 2018	
K - 2	November 30, 2017	Early Education Renewable Energy Challenges Every Child is an Engineer Structure Design Challenges	March 8, 2018	Space Explorations and Applications Challenges; Interactive Instructional Technology
3 - 5	December 4, 2017	Renewable Energy: Wind and Solar Energy/Solar Panels Virtual Robotics; EV3 Classroom Activities; Mini VEX Basics Using Coding to Understand Elementary Mathematics Concepts	March 16, 2018	Structures Design Challenges; Interactive Instructional Technology; Real World Simulations and Virtual Applications

**TEACHERS' CONCEPTIONS ABOUT HOW STUDENTS LEARN**

**SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS CHANGE AS A RESULT OF THESE EXPERIENCES!**

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