

Number Worlds Kentucky MIT Training Outline 12-16 June

Monday: Research-‘Adding It Up’

- 8:00-9:45 I. *Teacher Content Knowledge Assessment (Learning Mathematics for Teaching (LMT), Ball & Bass, UMich) and Attitude Survey*
- 9:45-10:00 BREAK
- 10:00-10:30 II. Introductions and Getting Acquainted
- 10:30-11:30 III. Overview of ‘Helping Children Learn Mathematics’ and the five strands of Mathematical Proficiency:
- Conceptual Understanding-Understanding
 - Procedural Fluency-Computing
 - Strategic Competence-Appling
 - Adaptive Reasoning-Reasoning
 - Productive Disposition-Engaging
- 11:30-12:15 LUNCH
- 12:15-2:15 IV. Overview: Continued
- 2:15-2:30 BREAK
- 2:30-4:00 V. Overview: Continued

Tuesday: Research-‘Adding It Up and *Building Blocks*

OPTION 1: More than 20 participants

- 8:00-9:15 I. Continue *Number Worlds*
- 9:15-9:30 BREAK
- 9:30-11:30 II. Doug Clements – *Building Blocks*
- 11:30-12:15 LUNCH
- 12:15-1:30 III. Continue *Building Blocks*
- 1:30-1:45 BREAK
- 1:45-4:00 IV. Continue *Building Blocks/Number Worlds*
- 6:00-8:00 V. *Centra Training*

Wednesday: *Number Worlds* - Prevention Levels A-C

8:00-9:45	I.	Research, Philosophy and Program Organization
9:45-10:00		BREAK
10:00-11:30	II.	Lesson Instruction
11:30-12:15		LUNCH
12:15-2:00	III.	Lesson Instruction-Continued
2:00-2:15		BREAK
2:15-4:00	IV.	Lesson Instruction-Continued, and Assessment

Thursday: *Number Worlds* - Intervention Levels D-H

8:00-9:45	I.	Research, Philosophy, and Program Organization
9:45-10:00		BREAK
10:00-11:30	II.	Lesson Instruction
11:30-12:15		LUNCH
12:15-2:00	III.	Lesson Instruction-Continued
2:00-2:15		BREAK
2:15-4:00	IV.	Lesson Instruction-Continued, and Assessment

Friday: *Number Worlds* Practicum

8:00-9:00	I.	Observe Model Lesson
9:00-10:00	II.	Prepare a lesson
10:00-10:15		BREAK
10:15-11:45	III.	Present lesson
11:45-12:30		LUNCH
12:30-2:15	IV.	Training and Distribution of Fox Adds Up Assessment Kits
2:15-2:30		BREAK
2:30-4:00	V.	<i>Teacher Content Knowledge Assessment (Learning Mathematics for Teaching (LMT), Ball & Bass, UMich) and Attitude Survey—90 minutes</i>