



K-8 Science Professional Learning AMSTI-UA Summer 2022

Tuscaloosa

GRADE	FOUNDATIONAL TRAINING		DATES
K-8	Science Foundational Training <i>(PREREQUISITE for all K-8 Science Content Training)</i>		Tuesday, July 12 OR Monday, July 18
GRADE	SCIENCE CONTENT TRAINING	Science Standards	DATES
K	Weather Walk	7-10	Wednesday, July 13
1	Sound, Light, & Sky	1-4, 8-9	Thurs-Fri, July 14-15
2	Soils & Shores	1-3, 8-11	Wed-Thurs, July 13-14
	Plants & Bugs	5-7	Tues-Wed, July 19-20
3	Heredity & Diversity	5-12	Thurs-Fri, July 14-15
	Weather & Climate - 3rd	13-15	Tuesday, July 19
4	Energy & Waves	1-8	Wed-Fri, July 13-15
5	Matter & Interactions	1-5	Tues-Wed, July 19-20
	Earth: Gravity & Space	6-7, 12-13	Friday, July 15
6	Planetary Systems	2-5, 15-16	Tues-Thurs, July 19-21
7	Exploring Body Systems	4, 5a, 5b	Wed-Fri, July 13-15
8	Mixtures, Compounds, & Elements	1, 3, 5-7	Tues-Thurs, July 19-21

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GRADE	Professional Learning		DATES
6 - 12	Using Proficiency Scales to Support Instruction and Assessment	Offered for 6-12 math and science teachers who have NOT previously completed this session.	Wed, June 8

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K - 5 Math Professional Learning AMSTI-UA Summer 2022

Tuscaloosa

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GRADE	Professional Learning	ALCOS Content Areas	DATES
K - 5	NUMBERS: Number Sense	<i>Foundations of Counting, Operations and Algebraic Thinking K-5, Operations with Numbers: Base Ten 3-5</i>	Tues-Wed, July 12-13
	NUMBERS: Geometry and Measurement	<i>Measurement, Data Analysis, and Geometry</i>	Thurs-Fri, July 14-15
K - 2	Counting Collections	<i>Foundations of Counting, Operations with Numbers: Base Ten</i>	Tuesday, July 12 (morning) OR Wednesday, July 20 (morning)
	Number Talks K-2	<i>Operations with Numbers: Base Ten</i>	Tuesday, July 12 (afternoon) OR Wednesday, July 20 (afternoon)
3 - 5	NUMBERS: Fractions and Decimals	<i>Operations with Numbers: Fractions; Operations with Numbers: Base Ten</i>	Wed-Thurs, July 20-21
	Number Talks 3-5	<i>Operations and Algebraic Thinking; Operations with Numbers: Base Ten</i>	Friday, July 15 (morning)

AMSTI Math Content Training

GRADE	FOUNDATIONAL TRAINING		DATES
K - 5	Math Foundational Training K-5 <i>(PREREQUISITE for all K-5 Math Content Training below)</i>	<i>An overview of pedagogical strategies to be implemented with any mathematics content. The session focuses on the mathematics teaching practices and the formative assessment cycle.</i>	Tuesday, July 12 OR Monday, July 18
GRADE	Professional Learning	ALCOS Content Areas	DATES
K - 5	Geometry	<i>Geometry</i>	Tuesday, July 19 (morning)
K - 2	Foundations of Counting	<i>Foundations of Counting</i>	Wednesday, July 13
	Operations with Numbers: Base Ten	<i>Operations with Numbers: Base Ten</i>	Thurs-Fri, July 14-15
	Operations and Algebraic Thinking	<i>Operations and Algebraic Thinking</i>	Wednesday, July 20
	Measurement and Data	<i>Measurement and Data</i>	Thursday, July 21
3 - 5	Meaning of Fractions	<i>Operations with Numbers: Fractions</i>	Wed-Thurs, July 13-14
	Fractions with Operations <i>(Prerequisite: Meaning of Fractions)</i>	<i>Operations with Numbers: Fractions</i>	Mon-Tues, July 18-19
	Exploring Multiplication and Division	<i>Operations with Numbers; Base Ten; Operations and Algebraic Thinking</i>	Wed-Thurs, July 20-21

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6-12 Math Professional Learning AMSTI-UA Summer 2022

Tuscaloosa

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GRADE	Professional Learning	ALCOS Content Areas	DATES
6 - 12	Using Proficiency Scales to Support Instruction and Assessment	<i>Offered for 6-12 math and science teachers who have NOT previously completed this session.</i>	Wed, June 8
6 - 12	Number Talks 6-12 <i>(Registration through UA Regional In-Service Center).</i>		Wed, June 15
6 - 8	NUMBERS: Ratios and Proportions	<i>Proportional Reasoning, Algebra and Functions (mainly for 6-7)</i>	Tues-Wed, July 19-20
6 - 12	Number Talks and Number Strings 6-12		Friday, July 15

AMSTI Math Content Training

GRADE	FOUNDATIONAL TRAINING		DATES
6 - 12	Math Foundational Training 6-12 <i>(PREREQUISITE for all 6-12 Math Content Training below)</i>	<i>An overview of pedagogical strategies to be implemented with any mathematics content. The session focuses on the mathematics teaching practices and the formative assessment cycle.</i>	Tuesday, July 12 OR Monday, July 18
GRADE	Professional Learning	ALCOS Content Areas	DATES
6 - 8	Proportional Reasoning Part 1	<i>Proportional Reasoning</i>	Wed-Thurs, July 13-14
	Algebra and Functions Part 1	<i>Algebra and Functions</i>	Tues-Wed, July 19-20
	Statistics Part 1	<i>Data Analysis, Statistics, and Probability</i>	Thursday, July 21
9 - 12	Algebra and Functions Part 1 and Part 2	<i>Algebra and Functions</i>	Wed-Thurs, July 13-14
	Probability	<i>Data Analysis, Statistics, and Probability</i>	Thursday, July 21

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K - 12 Math Professional Learning AMSTI-UA Summer 2022

Demopolis

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GRADE	Professional Learning	ALCOS Content Areas	DATES
3 - 5	Number Talks 3-5	<i>Operations and Algebraic Thinking; Operations with Numbers: Base Ten</i>	Thursday, July 14 (morning)
	Using Proficiency Scales to Support Instruction and Assessment		Friday, July 15

AMSTI Math Content Training

GRADE	FOUNDATIONAL TRAINING		DATES
K - 5	Math Foundational Training K-5 <i>(PREREQUISITE for all K-5 Math Content Training below)</i>	<i>An overview of pedagogical strategies to be implemented with any mathematics content. The session focuses on the mathematics teaching practices and the formative assessment cycle.</i>	Monday, July 11
6 - 12	Math Foundational Training 6-12 <i>(PREREQUISITE for all 6-12 Math Content Training below)</i>	<i>An overview of pedagogical strategies to be implemented with any mathematics content. The session focuses on the mathematics teaching practices and the formative assessment cycle.</i>	Friday, June 3
GRADE	Professional Learning	ALCOS Content Areas	DATES
K - 5	Geometry	<i>Geometry</i>	Thursday, July 14 (afternoon)
K - 2	Foundations of Counting	<i>Foundations of Counting</i>	Tuesday, July 12
	Operations and Algebraic Thinking	<i>Operations and Algebraic Thinking</i>	Wednesday, July 13
6-8	Algebra and Functions Part 1	<i>Algebra and Functions</i>	Friday, June 10 AND Friday, June 17
9-12	Algebra and Functions Part 1 and Part 2	<i>Algebra and Functions</i>	Friday, June 10 AND Friday, June 17

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