

Partnerships: Educators, Parents, and Caregivers Supporting Mathematical Foundations for Young Children

RTS WEBINAR SERIES
UNITED WAY OF GREATER NASHVILLE

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AGENDA

- ✓ How to support **teachers** to ensure that children are learning basic 4 Cs=21st and basic mathematics concepts.
- ✓ How to support **children, outside of centers**, to develop basic 4 Cs=21st and basic mathematics concepts.

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The role of school, community, and home is constantly changing. School may be in a building or at home.

Schooling at home is not a vacation. Children need to continue daily routines and good social habits.

Support teachers, and children by teaching and practicing good routines!

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basic 4 Cs=21st skills

- 1) COLLABORATE –
Respect and follow routines, practice organization
- 2) CREATE –
Learn to study and learn to learn
- 3) CRITICAL THINKERS
Study and solve problems, persist to accomplish
- 4) COMMUNICATE
Be respectful, be prompt, be positive, be dedicated

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1) COLLABORATION

Encourage children to respect and practice routines

Go to bed and rise at the same times

Maintain good health & hygiene - Dress for Success.

Take meals and snacks at the appropriate times

Pretend study and play at designated times

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2) CREATE

Encourage children to dream, pretend, reinvent and create

Adults ask interesting questions

Children ask interesting 'why', 'how' 'when' 'How do you know?'

Children work in groups with older children or adults or friends

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3) CRITICAL THINKERS

Encourage open-ended questions, support different opinions, teach children to disagree respectfully, to defend ideas, and help them pursue multiple solutions to problems

‘why’ ‘how’ ‘when’ ‘How do you know?’
“Why do you think so?”

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4) COMMUNICATE

Encourage children to be punctual, practice social language conventions, positivity

Model language and signals for children to use to communicate personal feelings

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Lets Reflect

ACTIVITY #1

Why are routines important?

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Survey

ACTIVITY #2

My children are encouraged to...

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PARTNER: How to support children's learning of mathematical concepts and skills outside of centers or schools?

Ask teachers specific questions:

What concepts and skills will you be teaching this month (week, day)?

What math vocabulary will you be teaching?

What activities can I do at home to reinforce their learning of new skills, concepts, language?

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Children learn basic math concepts and words by age 3 thru daily interactions.

Math can be difficult. It has its own vocabulary, symbols, and functions.

They learn quantity such as more, less, big, small.

They may have the concepts of far, close, under, over, above, heavy, and light.

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EXAMPLES – Create awareness

Math SYMBOLS and WORDS for addition $5 + 5$

+ = and more add

Math SYMBOLS and WORDS for subtraction $5 - 5$

- less takeaway minus

Math SYMBOLS and WORDS for multiplication 5×5

■ × times repeat () /

Math SYMBOLS and WORDS for division $5 \div 5$

÷ division into √ %

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Math Academic Field Trips

¹
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A trip to the market

**Expose children to learn about unit prizes,
different symbols: volume, weight, and
pounds, money symbols, numbers**

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About The Market

Math concepts, signs, symbols

Numbers	decimals	Pounds
Weight	Volume	Per Unit

Help teachers and children by giving them concrete experiences

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About The Market

Examples of math vocabulary

- Fractions: Part, Half, quarter
- Weight: heavy, light, more, less
- Volume: tall, short, gallon, quart, bunches,
- Pounds: ways to weight, lbs.
- Units: half, whole, @, at, box, bunch, pack
- Money signs: \$, dollar, \$1.00, Penny, Dime

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At the market

ACTIVITY # 3

For each page, A to D, look carefully -
 at the **price (\$7.99)**
 at the **unit price (pound or lb.)** and
 at the **words describing** used for each item.

For each page, indicate how various items are
 being sold, and how you know.

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A. HOW ARE THEY SOLD? HOW DO YOU KNOW?



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Share – Chat Box

ACTIVITY #4

Observations, Questions

- 1.0 Write words, symbols, or functions that you observed in the pages A to D.
- 2.0 Share one idea that you will use to help your children reinforce these concepts.

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Thank You!!!

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