Playing Around With Math

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Let’s take a short survey

• I like math
• I have never liked mathematics, and it is my most dreaded subject.
• Math is not a part of every day life.
• Math is a part of every day life.
• In mathematics you can be creative and discover things by yourself.
• There is nothing creative about mathematics; it's just memorizing formulas and things.
Which one does not belong?

Think about it

Talk with your neighbor about your idea.

Justify it.
Mathematical thinking can be nurtured at home as well as at school …

Where do we start?
Family Engagement Activities are some of the MANY, MANY EXPERIENCES that children need to develop a strong mathematical foundation.
Family Engagement
Songs, Rhymes & Finger Plays

“One little, two little, three little fingers (toes) ...

“Here is the beehive, where are the bees? ...”
Family Engagement
Songs, Rhymes & Finger Plays

- At your table read your counting rhyme or song.

- As a team, practice your counting rhyme and prepare to share it with the rest of the group. You can act it out any way you want.
Family Engagement
Songs, Rhymes & Finger Plays

How might you share counting rhymes with families?

Brainstorm ideas with your table group.
Family Engagement
Songs, Rhymes & Finger plays

For all ages

• *Give families rhymes that children have enjoyed and learned in the classroom.*
• *Ask families to share songs and rhymes they use with their children at home.*

For older children

• *Ask children to decorate the paper where the rhyme is written and create a counting rhyme booklet to send home.*
• *This will be a growing project, as you can start with just a few rhymes, then add more.*
Family Engagement
Books
Finding the joy & math in books

Mouse Count
Ellen Stoll Walsh
Family Engagement

Books

How might you share good books with math with families?

Brainstorm ideas with your table group.
Family Engagement

Books

Create a class lending library with a checkout system

• *Introduce students to books in the classroom.*

• *Lend out books with accompanying activities.*

• *Have students and their families draw or write reviews of the books they borrow.*
Family Engagement

Books

The Library Check Out System
- The Books
- The Check Out Board
- The Schedule
- The Contract
Favorite Thing and Name
Self Portrait and Name
Family Engagement

Books

Some Good Books
Family Engagement

Games

The Game of NIM

Play the game a few times—taking turns going first. Pay special attention to who is the winner of each game and think about why that person won that particular game.
Family Engagement
Games

Math games:
• Can be played in any language
• Build home/school connections when families are encouraged to play games at home
• are fun for families while developing childrens’ math skills
• Increase exposure to math
Family Engagement
Games

How might you share games with families?

Brainstorm ideas with your table group.
Thank you

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