

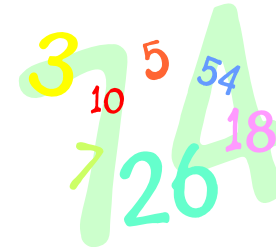
WHAT CAN PARENTS DO AT HOME?

- Continue the message that “Math makes sense.”
- Play board games.
- Get a set of dominoes and a deck of cards. Play games such as dominoes trains, Go Fish and Old Maid.
- Recognize the value of your child working on the internet and playing computer games, etc.
 - <http://funschool.kaboose.com/preschool>
 - <http://www.sproutonline.com/>
 - <http://www.seussville.com/> (click on playground)
- Provide opportunities for children to help with the shopping.
 - Look at the size, quantity, weight and volume of items.
- Encourage your children to help with the cooking.
 - Read recipes. Talk about the numbers.
 - Measure ingredients.
 - Use correct vocabulary e.g. $\frac{1}{2}$ cup, 1 tablespoon
 - Have children help set the timer and discuss the time it takes for something to cook.
- Encourage use of calendars and clocks, both analog and digital.
 - Alert your child to common dates on the calendar; have them mark in important events on the family calendar.
 - Talk about days, months, years in relation to events such as birthdays and other special events.
- Involve your children in discussions about money.
 - Count coins, identify them and talk about their value.

See the math in the world around you.

Numbers, shapes, sizes, patterns, measurements, clocks, calendars, money...it's everywhere!

Regional School District No. 17 Haddam Elementary School



MATHEMATICS

Kindergarten

MATH MAKES SENSE!

Teachers believe that math makes sense and provide a variety of math opportunities for students in school daily.

- whole class, small group and individual lessons
- math centers and games

CURRICULUM AND RESOURCES

Regional School District No. 17 curriculum is aligned with Connecticut State Standards and recommendations of the National Council of Teachers of Mathematics (NCTM). The entire curriculum and the “Power Standards” are available on the district website

(<http://www.rsd17.org>) under the tab for Curriculum and Instruction.

The school district has joint usage of two texts for elementary grades: *Investigations* and *Scott Foresman-Addison Wesley Mathematics*.

- <http://investigations.terc.edu/>
- <http://www.pearsonschool.com>

CONTACTS Communicate math concerns with your child’s teacher. Each elementary school also has Math Support Teacher(s) available to assist teachers and students. At HES, contact Heather Rigatti at 345-4551 or rigatti66@rsd17.org.

POWER STANDARDS

The Power Standards answer these questions:

- **WHAT WILL MY CHILD KNOW AND UNDERSTAND BY THE END OF EACH GRADE?**
- **HOW DO I KNOW WHAT MY CHILD IS LEARNING?**
- **WHAT AREAS ARE ASSESSED ON EACH REPORT CARD?**

KINDERGARTEN POWER STANDARDS

Copies and extends patterns.

- EX: □ * * □ * *
- Use food or toys. Make a pattern. Ask “What pattern did I make? Say it as I point to each item. What comes next? How do you know?”

Counts and writes numerals 0-20.

Counts by 10’s to 100.

Estimates the number for up to 20 objects.

- EX: “About how many matchbox cars are there?”
- EX: “About how many carrots are on your plate?”

Identifies and sequences events using yesterday, today, tomorrow, before or after, days of the week and seasons.

- EX: “Yesterday was Monday. Today is Tuesday. Tomorrow will be Wednesday. Tomorrow you have soccer.”

Tells time to the nearest hour using analog and digital clocks.

- EX: “We have dinner at 6:00. See what the clock looks like at 6:00.”

Determines the value of a dime using pennies.

- EX: Dump out a change jar or your wallet or pocket. “What coin is this? How do you know? How much is it worth? How many pennies are the same as a dime?”

Uses non-standard linear measurement.

- EX: “How many sneakers long is your room?”
- EX: “How many crackers long is your napkin?”

Identifies and draws circle, square, triangle and rectangle.

- EX: “Find a sign on our drive to Grandma’s that is a triangle. How do you know that’s a triangle?”

Discusses graph data using vocabulary: more, most, equal, less and least.

Sorts by one and two attributes.

- EX: Attributes – color, size, shape, etc. “Let’s put Daddy’s socks here and your socks there.” “Can you sort the goldfish crackers and the starfish crackers?”