




# An Overview of Math in Westport

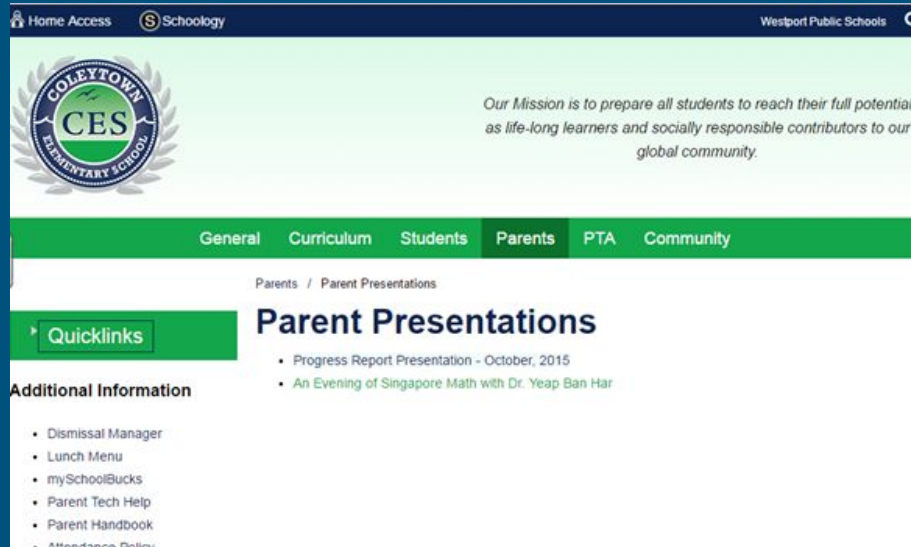
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CES PTA Meeting  
May 19, 2016



# Incase You Missed It!

[Dr. Yeap Ban Har's parent presentation is now available online.](#)



The screenshot displays the website for Coleytown Elementary School (CES). The top navigation bar includes "Home Access", "Schoolology", and "Westport Public Schools". The school's logo is on the left, and the mission statement is on the right: "Our Mission is to prepare all students to reach their full potential as life-long learners and socially responsible contributors to our global community." A green navigation menu contains "General", "Curriculum", "Students", "Parents", "PTA", and "Community". The "Parents" section is active, showing a breadcrumb "Parents / Parent Presentations". A "Quicklinks" button is visible. The main heading is "Parent Presentations", followed by a list of presentations: "Progress Report Presentation - October, 2015" and "An Evening of Singapore Math with Dr. Yeap Ban Har". An "Additional Information" section lists links for "Dismissal Manager", "Lunch Menu", "mySchoolBucks", "Parent Tech Help", "Parent Handbook", and "Attendance Policy".

Home Access Schoolology Westport Public Schools

**COLEYTOWN**  
**CES**  
ELEMENTARY SCHOOL

*Our Mission is to prepare all students to reach their full potential as life-long learners and socially responsible contributors to our global community.*

General Curriculum Students **Parents** PTA Community

Parents / Parent Presentations

Quicklinks

## Parent Presentations

- Progress Report Presentation - October, 2015
- An Evening of Singapore Math with Dr. Yeap Ban Har

**Additional Information**

- Dismissal Manager
- Lunch Menu
- mySchoolBucks
- Parent Tech Help
- Parent Handbook
- Attendance Policy

# Math in Westport

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- CCSS, Singapore Math
- Conceptual vs. Procedural
- Lesson Structure
  - Anchor Task
  - Guided Practice
  - Independent Practice
- Differentiation

# CCSS vs. Singapore Mathematics

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- Common Core State Standards: **What** is taught.
  - Vertically aligned grade level content standards - one year builds upon the next
  - K-12 Standards for Mathematical Practice
  
- Singapore Mathematics: **How** it is taught.
  - Emphasis on play, discovery, inquiry, and problem solving
  - Mathematical practices
  - Conceptual understanding, then procedural knowledge

# 5th Grade Math

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- Two levels in grade 5:
  - Math 5: A rigorous, 5th grade standards aligned math class.
  - Math 5+: A rigorous, 5th grade standards aligned math class *plus* additional problem solving and a faster pace.
- Placement is based on several pieces of information to assure the most developmentally appropriate math class for each student.
  - Assessment Data: performance on district wide assessments (concepts and problem solving)
  - Teacher Recommendation: based on students' performance throughout the year and demonstration of mathematical practices.

## Worksheet for Determining 5<sup>th</sup> Grade Math Placement

Student: \_\_\_\_\_ Date: \_\_\_\_\_

4<sup>th</sup> Grade Teacher: \_\_\_\_\_

When determining math placement for fifth grade, information from the following categories is considered.

### 1. District-Wide Test Results

- |                                            |                 |                 |
|--------------------------------------------|-----------------|-----------------|
| a. 4 <sup>th</sup> Grade – M-COMP Probe #3 | Raw Score _____ | Nat. %ile _____ |
| b. 4 <sup>th</sup> Grade- M-CAP Probe #3   | Raw Score _____ | Nat. %ile _____ |
| c. Computation Assessment                  | Raw Score _____ | Percent _____   |
| d. Problem Solving Assessment              | Raw Score _____ | Percent _____   |

### 2. Grade 4 Student Performance (circle or color in appropriate boxes)

	Not Demonstrated	Inconsistent	Consistent
<b>Perseveres in Problem Solving:</b> Makes sense of problems; perseveres in solving; attends to precision			
<b>Reasons and Explains:</b> Reasons abstractly and quantitatively; constructs viable arguments and critiques the reasoning of others			
<b>Models and Uses Tools:</b> Applies the mathematics they know to solve problems and models thinking; Uses appropriate tools strategically			
<b>Sees structure and generalizes:</b> Looks for and makes use of structure; Looks for and expresses regularity in repeated reasoning			

3. Teacher Recommendation (circle)

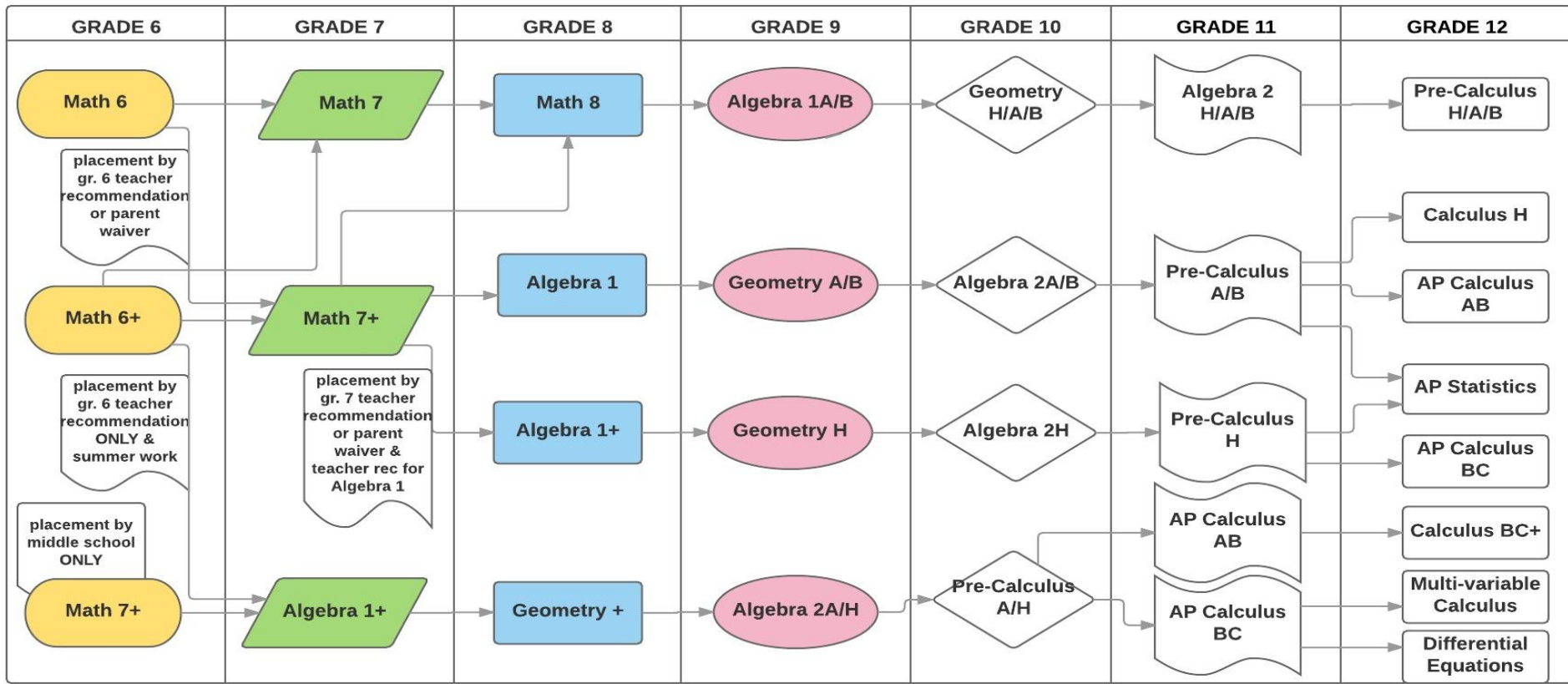
Math 5+

Math 5

# WESTPORT PUBLIC SCHOOLS - SECONDARY MATH FLOW CHART

This document represents the traditional pathway most students follow for grade 6 through 12 mathematics. All students have the opportunity to advance through the traditional content progression faster upon completion of Algebra 1 by successfully attending WPS summer school and with prior written approval by Andrew Hill; Department Chair for Mathematics 6-12. [ahill@westport.k12.ct.us](mailto:ahill@westport.k12.ct.us)

**NOTE:** When submitted prior to the deadline, math waivers may be used to increase the level of a specific math course. Math waivers may not be used to skip prerequisite math courses.



# Math Counts!

## Even in the Summer...



Coach buys 15 12-pound bags of cheese puffs.  
How many ounces is that?



# Real World Math Problems

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Engage your child in real world problems as often as possible.

Encourage mental math and estimation.

Every day at the snack shop at Compo we buy a large soda and an ice cream sandwich. If large sodas cost \$1.75 and ice cream bars cost \$1.25 how much do we spend each week? What fraction of our spending is for sodas?

We left Westport at 7:15am for our beach house on Long Beach Island. Traffic was terrible, and we did not arrive until 4 hours and 20 minutes later. What time did we get to LBI?

# Everyday Ways to Make Math Count

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- Making change
- Telling time (perhaps a new watch)
- Calculating miles/Calculating mpg
- Keeping a running cost estimate during quick trips to the market
- Restaurant/snack shop tabs
- Cooking (measuring, converting, etc.)

# Games are Great for Math Thinking!

## Good old fashioned games...

- Go Fish and War/ Ten with Nine Cards
- Candyland and Chutes and Ladders
- Chess/checkers
- Yahtzee, Scrabble, Mille Bournes, Connect Four, Pit! Mancala

## Newer games...

- Rush Hour
- Set
- Math Dice
- Blokus
- Gobblet

