




# 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 shows the website for Coleytown Elementary School. At the top, there are links for 'Home Access' and 'Schoology', and the text 'Westport Public Schools' with a search icon. The school's logo, 'COLEYTOWN CES ELEMENTARY SCHOOL', 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 bar contains 'General', 'Curriculum', 'Students', 'Parents', 'PTA', and 'Community'. Below this, the breadcrumb 'Parents / Parent Presentations' is shown. A 'Quicklinks' button is on the left. The main heading is 'Parent Presentations', followed by a list of two items: 'Progress Report Presentation - October, 2015' and 'An Evening of Singapore Math with Dr. Yeap Ban Har'. An 'Additional Information' section on the left lists: 'Dismissal Manager', 'Lunch Menu', 'mySchoolBucks', 'Parent Tech Help', 'Parent Handbook', and 'Attendance Policy'.

Home Access Schoology 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
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# 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)

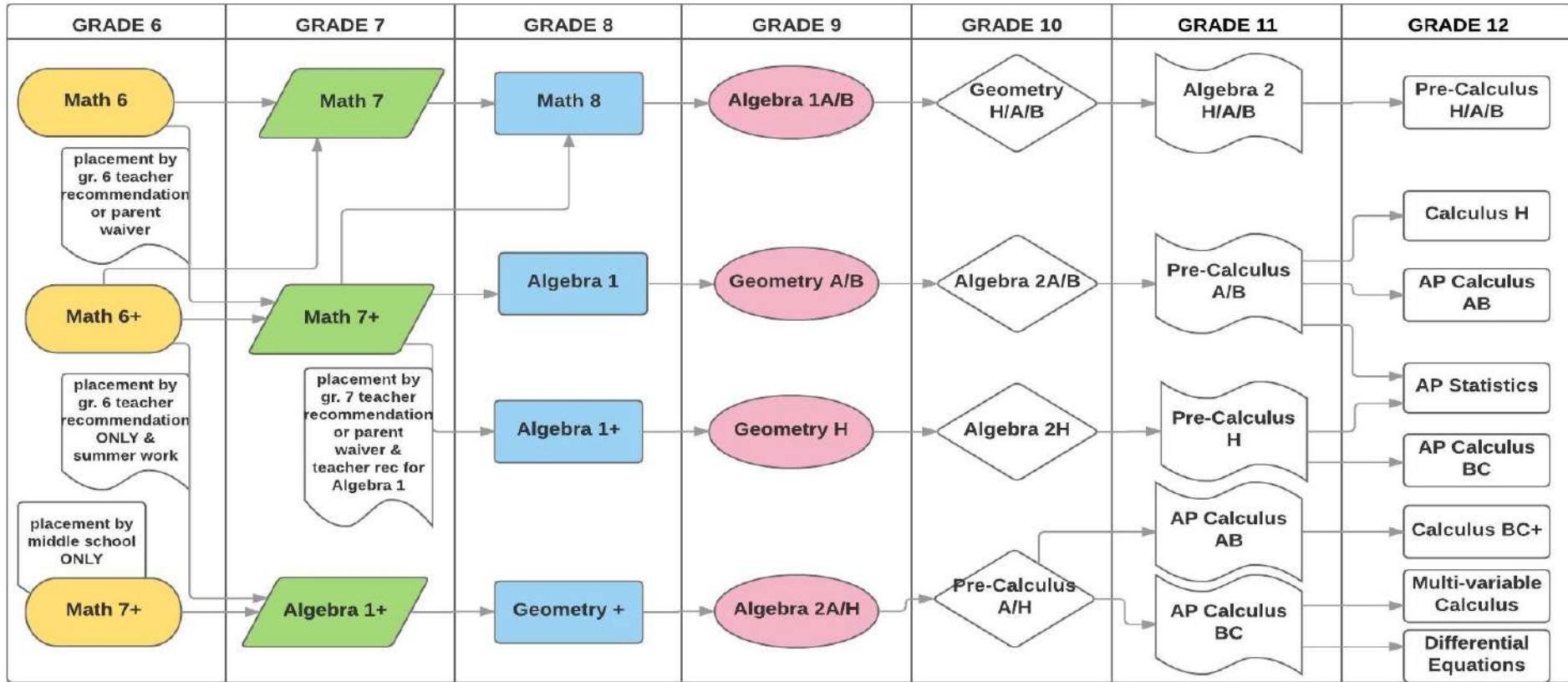
Math 5+

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

