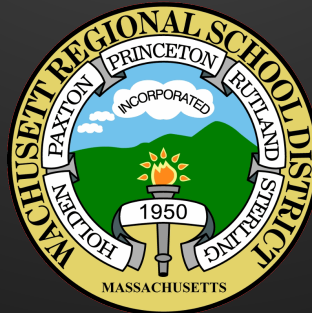


# Mathematics Workshop

Wachusett Regional School District



# What is workshop?

- Structured approach to teaching and learning
- *Students* own the learning
- Teachers *guide* the learning
- Highly differentiated
- Research-based
- Balanced approach

# Current Workshop Models

## Readers' Workshop

- Focus lesson
- Independent reading
- Conferring/small group instruction
- Group share

## Writers' Workshop

- Focus lesson
- Independent writing
- Conferring/small group instruction
- Group share

# Parallel Workshop Formats

## RW/WW Focus Lesson

- 15 minutes
- Whole group
- Anchor charts
- Guided practice

## MW Focus Lesson

- 5-15 minutes
- Whole group
- Anchor charts
- Provocation/problem posed
- Think aloud

# Parallel Workshop Formats

## Independent Reading/Writing

- 30-40 minutes
- Independent reading with "just-right" texts
- Independent writing with interest-based topics or need-specific tasks
- Conferring
- Small-group instruction

## Independent Problem Solving

- 30-40 minutes
- Independent or small-group math games, investigations, centers, or provocations
- Computational fluency practice at differentiated levels
- Conferring
- Small-group instruction
- Math Notebooks

# Parallel Workshop Formats

## RW/WW Group Share

- 5 minutes
- Summarize learning
- Share strategies/findings

## MW Group Share

- 15-25 minutes
- Expose math thinking
- Add to/develop anchor charts
- Discuss "big ideas"
- Synthesize new understandings

# What are the Goals of MW?

- Reduce teacher-directed time
- Increase student-directed learning
- Facilitate 1:1 support and small-group teaching
- Provide differentiation for advanced, average, and struggling learners
- Facilitate flexible grouping as needs change
- Use ongoing assessment data to make instructional decisions

# How do we Plan MW?

- Identify the year-long trajectory for a grade level
- View any sample units of study that may be available
- Map a specific grade-level unit of study from the trajectory using *WRSD Template for Units of Study, 2011 MA Frameworks, and other resources*
- View sample focus lessons that may be available
- Craft focus lessons, using *WRSD Math Focus Lesson Template*, for each day in the unit of study based on the map

[www.wrsdcurriculum.net](http://www.wrsdcurriculum.net)



# Keys to Planning MW Successfully

- As with RW and WW, units of study and focus lessons are best designed by **teams** of grade-level teachers.
- These common maps can be tailored to the needs surfacing in each teacher's classroom.
- Collaborating broadens the resource pool and creates a shared workload.
- Teacher teams should **use Everyday Math** and other effective resources to guide their planning of units and focus lessons.

# How do we Assess MW?

- Fall, winter, spring universal screenings
- Unit assessments
- Progress monitoring for students with particular needs
- District-wide data collected from screenings and unit assessments

[www.wrsdcurriculum.net](http://www.wrsdcurriculum.net)

# Implementation Mile Markers

- By the end of September:
  - Launch daily Math Workshop structure
  - Provide introductory lesson on math workshop routines
  - Begin to create/display anchor charts for MW

# Time to Collaborate and Plan

- School-based collaboration: September 19
  - Review MW structure
  - Review grade level trajectory
  - Scan sample units/lessons
  - Plan September and/or October unit of study
- District-wide, grade-specific collaboration:  
October 17, December 12, February 13,  
April 3

# Resources

- [www.wrsdcurriculum.net](http://www.wrsdcurriculum.net)
- Everyday Math
- District-based teacher-to-teacher sharing
- Web-based teacher-to-teacher resources such as:
  - [http://www.scholastic.com/teachers/top\\_teaching/2010/05/math-workshop](http://www.scholastic.com/teachers/top_teaching/2010/05/math-workshop)
  - <http://mathworkshopadventures.blogspot.com>
  - <http://alicesmathworkshop.weebly.com>
  - <http://cardelean.hubpages.com/hub/What-is-Math-Workshop>
  - <http://www.ashleigh-educationjourney.com/2012/06/math-workshop.html>