

MANCHESTER BOARD OF EDUCATION
REGULAR MEETING
MONDAY, SEPTEMBER 22, 2014

Policy Committee Mtg.
Executive Session – Contract Negotiations

Director's Room 5:30 P.M.
Director's Room 6:00 P.M.

7:00 P.M.
Lincoln Center – Hearing Room

A. OPENING

- 1) Call to order
- 2) Pledge of Allegiance
- 3) Board of Education Minutes – September 8, 2014 A – 3

B. CONSENT CALENDAR

- 1) Personnel Information B – 1
- 2) The Manchester Federation of Paraeducators, Local #3175, AFT, AFL-CIO
- 3) Accept the appropriation in the amount of \$4,608 for FY14/15 from grant B – 3
 Provided through the Manchester Community College, College Career
 Pathways program.
- 4) Establish an appropriation for FY14/15 in the amount of \$16,026.46 to be B – 4
 placed in the Community Use of Schools account and made available to
 to cover repair and maintenance costs to Bailey Auditorium.
- 5) Permission to apply for Title III, Part A, Subpart 1 – English Language B – 5
 Acquisition and Language Enhancement Grant for FY14/15 in the amount
 of \$57,731 to support a TESOL teacher to co-teach with other teachers and
 tutors.

C. PUBLIC COMMENTS (any item before the board)

D. SUPERINTENDENT'S REPORT

- 1) Curriculum & Instruction update on Mathematics & Science, Dr. Santosha D – 1
 Oliver, Director of Teaching & Learning, STEAM
- 2) English Language Learning Programming update, Dr. Amy Radikas, Asst.
 Superintendent for Curriculum & Learning
- 3) Update on Building Projects – Mr. Matthew Geary, Superintendent of Schools

E. UNFINISHED BUSINESS

None

F. NEW BUSINESS

None

G. COMMUNICATIONS

H. COMMITTEE REPORTS

1) Buildings & Sites Committee Meeting Minutes – 9-8-14

H – 1

I. PUBLIC COMMENTS (comments limited to items on tonight's agenda)

J. ITEMS FOR FUTURE AGENDAS

K. ADJOURNMENT

Welcome to the Manchester Board of Education meeting. Observers are always welcome. The following instructions are to assist those who wish to speak during the Public Comment session(s):

- 1) Print your name and address on the sign-in sheet at the podium for accurate record keeping.*
- 2) State your name and address for the record. Students state name only.*
- 3) First Session: Three minute time limit for any item that may come before the Board. Listen for the bell.*
- 4) Second Session: Comments must be limited to items on the Board's agenda for this meeting. The Board Chair has the discretion to limit comment time.*
- 5) Written statements may be substituted for Board members if time runs out for speaker.*
- 6) Immediate replies to questions/concerns should not be expected (Board Chair/Superintendent's discretion).*
- 7) Inappropriate topics: Confidential information, personal issues and legal concerns. Please avoid derogatory and profane language. Board of Education Policy #1220.*

PERSONNEL INFORMATION**APPOINTMENTS**

Nicole Stiteler to be a Science teacher at Bentley Alternative Education. Ms. Stiteler received a Master of Arts in Education degree and a Master of Science in Biology degree at Western Connecticut State University. Ms. Stiteler resides in Shelton. It is recommended that her appointment be approved effective September 15, 2014 (MA+30/Step 1 \$50,589).

Elaine Kotler to be a Science teacher at Illing Middle School. Ms. Kotler received a Master of Science in Geology degree at University of Delaware. Ms. Kotler resides in West Hartford. It is recommended that her appointment be approved effective September 9, 2014 (MA/Step 1 \$46,228).

**Town of Manchester
Board of Education**

To: Manchester Board of Education
From: Matthew Geary, Superintendent of Schools
Subject: College Career Pathways Grant (formerly Tech Prep) from Manchester Community College for FY 2014-15
Date: September 15, 2014

Background:

Manchester Public Schools has received a \$4,608.00 grant to encourage the development of career and technical education opportunities that combine secondary and post secondary programs that lead to related career and technical fields.

Discussion/Analysis:

Funds will be used to:

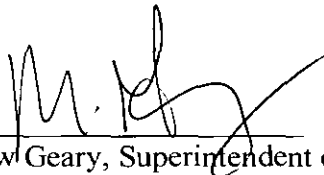
1. Fund an after school academic enrichment, early career exploration/college readiness program
2. Provide high school students with transportation to MCC

Financial Impact: None to the Board

Other Board/Commission Action: None.

Recommendations:

The Superintendent of Schools recommends the Board of Education accept the appropriation in the amount of \$4,608.00 for a FY 2014-15 grant provided through the Manchester Community College, College Career Pathways program.



Matthew Geary, Superintendent of Schools
Manchester, CT
September 22, 2014

Town of Manchester
Board of Education

To: Manchester Board of Education

From: Matthew Geary, Superintendent of Schools

Subject: Item for Appropriation FY 14/15 Board of Education
Community Use of Schools – Bailey Auditorium

Date: September 9, 2014

Background: The Manchester Public Schools' Buildings and Grounds Department bill public and private groups a maintenance fee for the use of Bailey Auditorium at Manchester High School. These funds are collected to cover the costs to repair and maintain the auditorium. The total amount of funds in the Town revenue account is \$16,026.46.

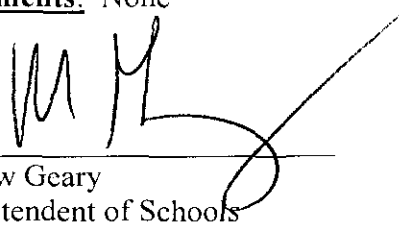
Discussion/Analysis: The funds are designated to cover auditorium maintenance and repair due to community use.

Financial Impact: The funds will be used to cover the cost of repair and maintenance to Bailey Auditorium.

Other Board/Commission Action: None

Recommendations: The Superintendent of Schools recommends that the Board of Education request the Board of Directors establish for FY14/15 an appropriation of \$16,026.46 to be placed in the Community Use of Schools account and made available to cover repair and maintenance costs to Bailey Auditorium.

Attachments: None



Matthew Geary
Superintendent of Schools
Manchester, Connecticut
September 9, 2014

**Town of Manchester
Board of Education**

To: The Manchester Board of Education
From: Matthew Geary, Superintendent of Schools
Subject: Permission to apply for the Title III, Part A, Subpart 1- English Language Acquisition and Language Enhancement Grant FY 2014-2015
Date: September 17, 2014

Background:

This grant application in the amount of \$57,731 will be used to support a TESOL teacher to co-work with other teachers and tutors to provide strategies to best serve English Language Learners.

Discussion/Analysis:

Funds will be used to:

- Support TESOL teacher to co-teach with other teachers and tutors.
- Purchase additional supplies and materials for use by English Language learning students

Financial Impact: None to the Board of Education

Other Board/Commission Action: None

Recommendations:

The Superintendent of Schools recommends that the Board of Education approve the filing of an application for the Title III Part A, Subpart 1- English Language Acquisition and Language Enhancement Grant, for fiscal year 2014-2015 in the amount of \$57,731.



Matthew Geary, Superintendent of Schools
September 22, 2014

Presentation to the Manchester Board of Education Curriculum & Instruction Update: Mathematics and Science

Santosha N. Oliver, Ph.D.
Director of Teaching and Learning
Science, Technology, Engineering, Art and Mathematics
September 22, 2014



Science
Technology
Engineering
Art
Mathematics

STEM
+ *Art*

STEAM

—Bette Fetter, Author of "Being Virtual"



Four Areas of Work

- ① Curriculum
- ② Instruction
- ③ Professional Learning
- ④ Student, Family and Community Engagement



Curriculum

Implementation of Science, Technology Education, Art and Mathematics Curricula

- District-Wide Resources
 - FASTT Math
 - Fraction Nation
 - Instructional Coaches
 - Library Media Specialists
 - Curriculum Connector



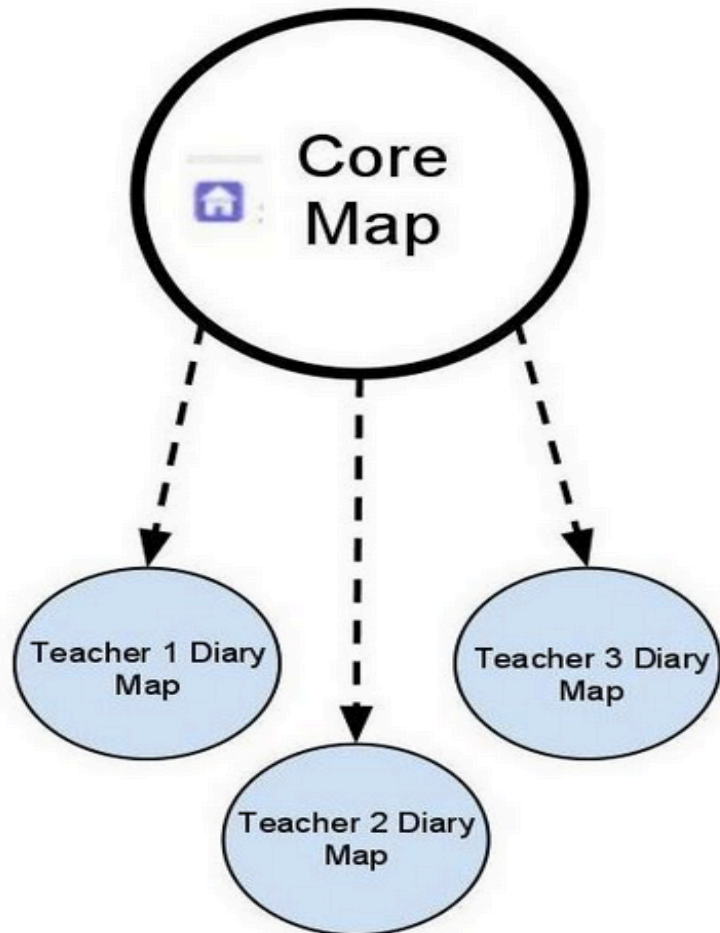
Curriculum



- Curriculum Warehouse
- Online Format
- Embedded Resources



Curriculum Connector



Core Maps

- District curriculum
- Defines learning targets
- Pushed to all teachers' diary maps
- Denoted by a white "house" symbol

Diary Maps

- Teacher-specific
- Not visible on the core map
- Searchable by faculty and administration



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Core, Mathematics K

Mathematics K

Counting and Matching within 20 Pacing for unit is 12 weeks: 8/28/14-11/21/14

Essential Questions:

1. Why do we count?
2. How are numerals used?
3. How can we compare 2 quantities?

Curriculum Connector

	× Application of Standards	× Knowledge	× Enduring Understandings	× Skills	× Assessments
<p>number names and the count sequence ~ and by tens.</p> <p>number names and the count sequence ~ from a given number within the range of having to begin at 1).</p> <p>number names and the count sequence ~ up to 20. Represent a number of objects (0-20) (with 0 representing a count of zero).</p> <p>the number of objects ~ Understand the relationship between numbers and quantities; connect counting to cardinality.</p> <p>When the number of objects is the same, the number name is the same regardless of the arrangement or the order in which they are counted.</p> <p>When the number of objects is the same, the number name is the same regardless of the arrangement or the order in which they are counted.</p> <p>Count to tell the number of objects.</p> <p>Counting strategies, 1 to 1 correspondence.</p> <p>Count in a variety of configurations.</p>	<p>Explanation of Standards</p> <p>Kindergarten Common Core Flip Book</p> <p>Suggested Unit Plan</p> <p>Week 1-2: Introduction to K Math</p> <ul style="list-style-type: none"> • Introduce math routines and procedures • Begin counting <p>Week 3 - 4: Numbers 0-5</p> <ul style="list-style-type: none"> • Count to tell the number of objects • Counting strategies, 1 to 1 correspondence • Count in a variety of configurations 	<p>Students will know...</p> <p>counting (by ones) and cardinality</p> <p>1 to 1 correspondence.</p> <p>number comparisons (0 to 10)</p> <ul style="list-style-type: none"> • Greater than • Less than • Equal to <p>written numerals zero to twenty</p> <p>Vocabulary:</p> <ul style="list-style-type: none"> • count • counting • numbers • zero (0) • one (1) • two (2) • three (3) • four (4) • five (5) 	<p>Students will understand that...</p> <p>numbers can be used to represent quantities.</p> <p>counting tells how many there are in a group regardless of their arrangement.</p> <p>the last number said when counting tells the total number of objects counted.</p>	<p>Students will be able to...</p> <p>count to 20 orally.</p> <p>count using 1 to 1 correspondence.</p> <p>count up to 20 objects in a variety of configurations (circle, array, line).</p> <p>count up to 10 objects in a scattered configuration.</p> <p>match objects in a set to a written numeral.</p> <p>identify numbers and quantities.</p> <p>read numbers 0-20.</p> <p>compare 2 numbers (1-10) as written numbers.</p> <p>produce a written list of numbers 0-20.</p>	<p>Unit 1 Assessment: Counting and Matching with 20 (Optional)</p> <p>11/21/2014</p>



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PEARSON
realize™ EDITION

Scott Foresman•Addison Wesley

en**Vision**MATH®
Common Core



enVision Pilot Timeline

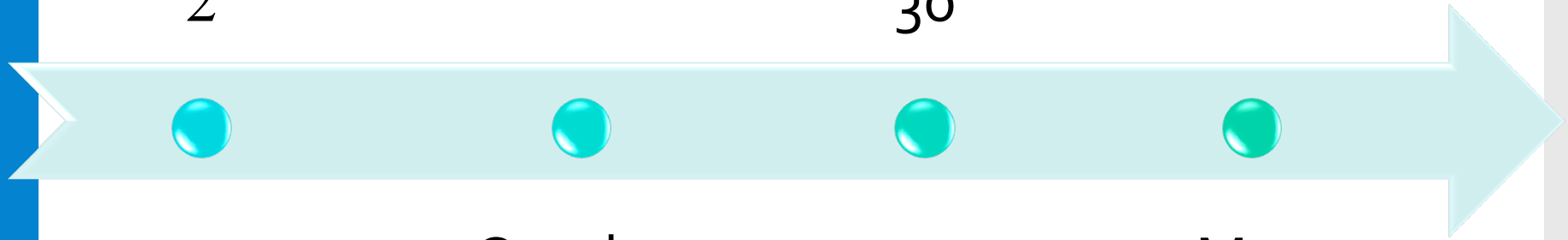
2014- 2015

September
2

January
30

October
22

May
11



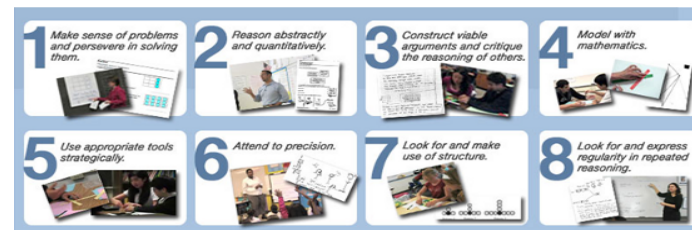
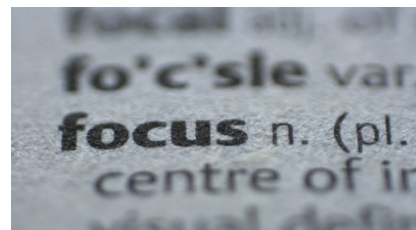
Four Areas of Work

- ① Curriculum
- ② **Instruction**
- ③ Professional Learning
- ④ Student, Family and Community Engagement



Instruction

1. **Focus:** Clear alignment with the standards
2. **Coherence:** Think across grades, and **link** to major topics
3. **Rigor:** In major topics, pursue **conceptual understanding**, procedural skill and **fluency**, and **application** with equal intensity



Instructional Implications

- Build new knowledge from **prior knowledge**
- **Talk** about math
- Opportunities for **reflective** thought

NUMBER

TALKS

Instructional Implications

- Encourage **multiple approaches**
- **Productive** struggle
- Errors are treated as **opportunities**



UConn Bridging Math Practices



Summer 2014 – 5-day Summer Workshop

2014-2015 - Ongoing embedded professional development

Summer 2015 – 3-day Summer Workshop



UConn
Bridging Math
Practices

Participating Schools:

- Martin Elementary: 4*
- Bowers Elementary: 1
- Buckley Elementary: 4*
- Highland Park Elementary: 2*
- Verplanck Elementary: 1*
- Washington Elementary: 4*
- Bennet Academy: 4*
- Manchester High School: 6*

** Denotes school math coach or math lead is one of the participants*

RED text denotes a school with one or more master's interns for 2014-2015.



Four Areas of Work

- ① Curriculum
- ② Instruction
- ③ **Professional Learning**
- ④ Student, Family and Community Engagement



Professional Learning

- Instructional Coaching
- Numeracy Meetings
- UConn Bridges
- Math Vertical Team
- Science Vertical Team
- CT Science Center Workshops
- Professional Learning Communities



Four Areas of Work

- ① Curriculum
- ② Instruction
- ③ Professional Learning
- ④ **Student, Family and Community Engagement**



Robotics Team



Science Club



Science Bowl
Chemical Reaction Lab
Connecticut's State of the Birds
Project Oceanology
Boston Science Museum



Rocketry





Expansion of after-school programming:

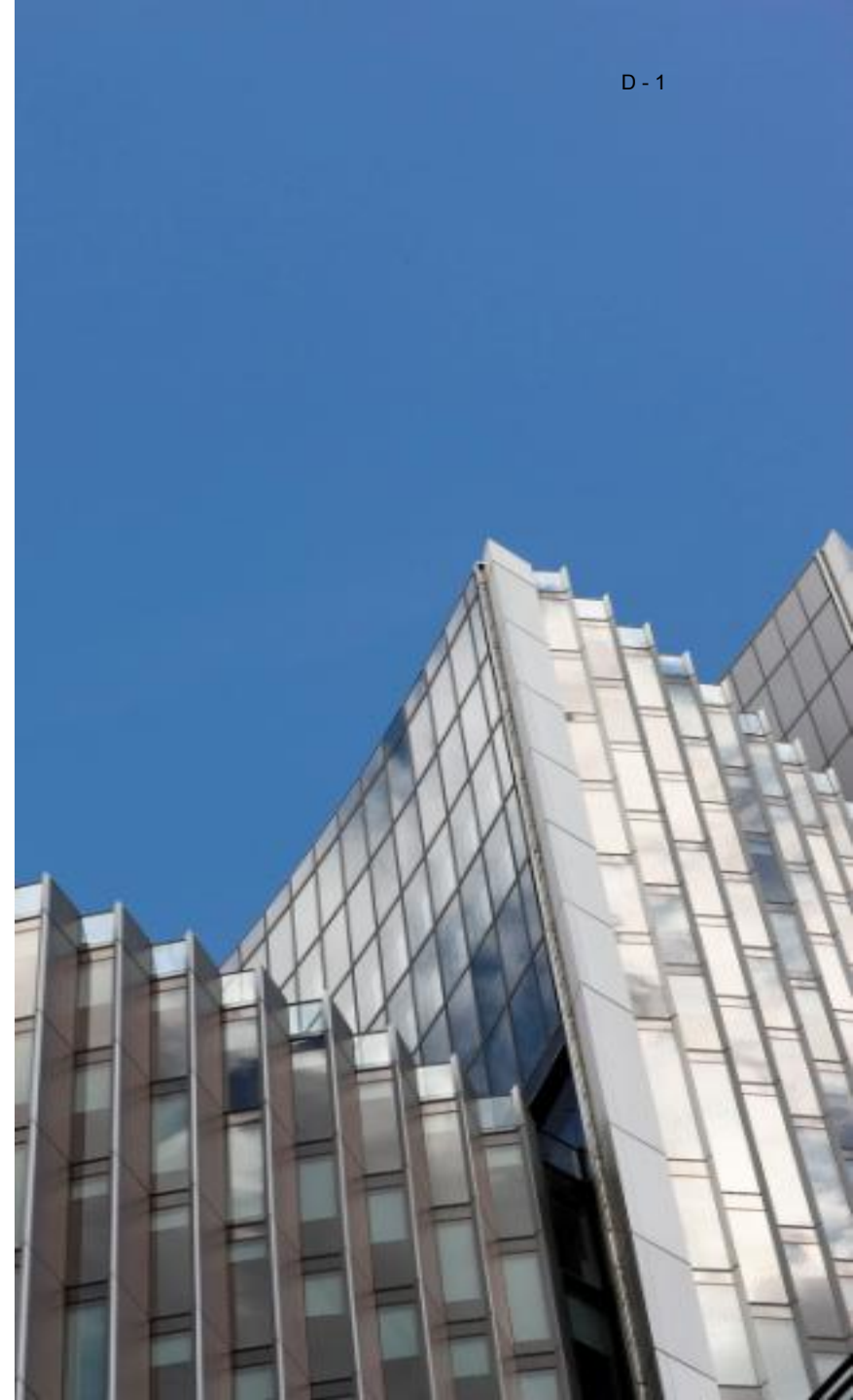
Robertson, Washington, Verplanck, Waddell and Bowers

- Family & Community Collaboration
 - Family Day at the CT Science Center
- Science
 - Invention Convention



Looking Ahead

- Curriculum Revision
- Instruction
- Professional Development
- STEM Train Pilot
- Summer Enrichment
- Adult Education



**Manchester Board of Education
Building and Sites Committee
Lincoln Center
Director's Hearing Room
September 8, 2014**

Attendees: Neal Leon, Mike Crockett, Jason Scappaticci, Carl Stafford, Matt Geary, Pat Brooks

Mr. Geary and Mrs. Brooks updated the Committee on summer maintenance projects and Illing Middle School renovations.

Mr. Geary reviewed with the Committee the schedule of upcoming Building Referendum Information Sessions. During the next couple of months, Mr. Geary will be presenting information sessions at PTA meetings, the Senior Center, Cheney Hall, Goodwin College and Manchester Community College.

Mr. Geary and Mrs. Brooks updated the Committee on current and future facilities staffing.

The next meeting will be held on Thursday, October 2, 2014, in the Board Room at Central Office.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Patricia F. Brooks". The signature is fluid and cursive, with the first name "Patricia" being the most prominent part.

Patricia F. Brooks
Assistant to the Superintendent
Finance and Management