

**GROTON PUBLIC SCHOOLS
GROTON, CONNECTICUT**

(*Attachments are available upon request from the Superintendent's Office.)

Committee of the Whole

November 19, 2018

A Committee of the Whole of the Groton Board of Education was held on November 19, 2018 in Room 11 of the School Administration Building.

1. CALL TO ORDER

The meeting was called to order by Mrs. Kim Watson, Board Chairperson, at 6:02 p.m.

PRESENT

Mrs. Kim Shepardson Watson, Chairperson
Dr. Andrea Ackerman, Vice Chairperson
Mrs. Katrina Fitzgerald
Mrs. Jane Giuliani
Mrs. Gretchen Newsome
Mrs. Rita Volkmann (arrived at 6:44 p.m.)
Mrs. Lee White

ABSENT

Mrs. Rosemary Robertson
Mr. Jay Weitlauf

Dr. Michael Graner, Superintendent of Schools
Ms. Susan Austin, Assistant Superintendent of Schools
Mr. Sam Kilpatrick, Director of Buildings and Grounds

1. Approval of Minutes of November 13, 2018

MOTION: Giuliani, White: To approve the minutes of November 13, 2018.
PASSED - UNANIMOUSLY

2. Update re: Communication concern involving the Superintendent Guest Commentary

Mrs. Watson explained the reason for this item being placed on the agenda

3. Update re: School Calendar for 2019 – 2020 (Attachment #1)

Dr. Graner reviewed the results of the discussion of the proposed 2019-2010 School Calendar from the previous meeting. Dr. Graner noted that the following were the concerns of that meeting:

- Starting before or after Labor Day
- Having school on Columbus Day
- Having school on February 18, 2019
- Having a half day on November 27, 2019
- Having school on Veteran's Day

It was noted that the Board would be voting on the 2019-2020 school calendar at the November 26, 2018 regular meeting and if Board members had any further concerns, they should forward them to the Superintendent.

4. Review of Class Size Guidelines (Attachment #2)

Dr. Graner reviewed the class size guidelines.

This item will be placed on the November 26, 2018 regular agenda.

5. Math Curriculum K-12 Update (Attachment #3)

Ms. Austin introduced the Math teachers in attendance. Ms. Austin gave a PowerPoint presentation of the Math Curriculum K-12.

6. Middle School SBAC Update (Attachment #4)

Peter Bass and Jeff Kotecki gave an overview of the middle school SBAC results.

7. Food Service Department: Farm-to-School Grant Proposal and Eastern Point Beach Concession Stand Annual Report (Attachment #5)

Ernie Koschmieder, Food Service Director, and Emma Kalaun, Assistant, gave an overview of the Farm-to-School Grant proposal. Ms. Kalaun explained Food Corps noting that it is being run at CC and CB. They explained the funding for last year and this year and noted that funding will go away after this year.

Ernie Koschmieder gave the Eastern Point Beach Concession Stand annual report. He noted that we are in the 2nd year and it generated \$6,500 this year; there were 4 high school students, 1 college student, and 5 staff members from the Food Service Department operating it as well as working with Deb Jenkins from the high schools.

Mr. Koschmieder recommended that the district take this project on again in the spring.

8. Budget Timeline

Mr. Knight shared the proposed concept for the format of the 2019-2020 budget booklet.

Mrs. Giuliani left at 8:30 p.m.

9. Interactive White Boards

Dr. Graner noted that there were 25 boards at the high school in need of repairs. He noted that he does not have a recommendation at this time.

10. Adjournment

MOTION: Ackerman, Newsome: To adjourn at 8:35 p.m.
PASSED – UNANIMOUSLY

PROPOSED 2019-2020 SCHOOL CALENDAR

July 2019 0/0

M	T	W	Th	F
1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26
29	30	31		

7/4-5 July 4th Holiday

7/x-7/xx Sp. Ed. Summer School

7/x-7/xx Summer School 9-12 at FHS

7/xx-7/xx Sp.Ed. Ext ABA Summer Session

August 2019 2/2

M	T	W	Th	F
			1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30

8/1-8/x Summer School 9-12 at FHS

8/1-8/x Sp.Ed. Ext ABA Summer Session

8/xx, xx Freshman Orientation

8/22 New Teacher Orientation

8/26 Convocation/School Meetings

8/26 PM Paraprofessional Professional Dev

8/27, 28 All Day Professional Development

8/29 First Day of School

8/29 - 8/30 Kindergarten Screening

September 2019 20/22

M	T	W	Th	F
2	3	4	5	6
9	10	11	12	13
16	17	18	19	20
23	24	25	26	27
30				

9/2 Labor Day**9/3 First day for Kindergarten, Prek, Preschool**

9/10 Faculty Meeting

9/17 TLI-Early Dismissal

9/24-Department Meeting

9/29-30 Rosh HaShanah (informational only)

Begins at sunset on 9/29

October 2019 22/44

M	T	W	Th	F
	1	2	3	4
7	8	9	10	11
14	15	16	17	18
21	22	23	24	25
28	29	30	31	

10/1 Rosh HaShanah (informational only)

10/1 Faculty Meeting

10/8-10/9 Yom Kippur (informational only)

Begins at sunset on 10/8

10/8 TLI-Early Dismissal

10/14 Columbus Day

10/23,24, 25 Parent Teacher Conference -

Early Dismissal(Elementary & Middle)

10/29 Department Meeting

November 2019 16/60

M	T	W	Th	F
				1
4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
25	26	27	28	29

11/5 All Day Regional

Professional Development

11/11 Veteran's Day

11/12 Faculty Meeting

11/19 Department Meeting

11/27-29 Thanksgiving Vacation

December 2019 15/75

M	T	W	Th	F
2	3	4	5	6
9	10	11	12	13
16	17	18	19	20
23	24	25	26	27
30	31			

12/3 Faculty Meeting

12/10 TLI-Early Dismissal

12/17 Department Meeting

12/20 Early Dismissal (Holiday)

12/23-12/31 Winter Holiday Vacation

January 2020 21/96

M	T	W	Th	F
		1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28	29	30	31

1/1 New Year's Day

1/7 Faculty Meeting

1/14 TLI-Early Dismissal

1/20 Martin Luther King Day

1/21 Department Meeting

February 2020 18/114

M	T	W	Th	F
3	4	5	6	7
10	11	12	13	14
17	18	19	20	21
24	25	26	27	28

2/4 Faculty Meeting

2/11 TLI-Early Dismissal

2/17-18 -Presidents Day/Winter Break

2/25 Department Meeting

March 2020 21/135

M	T	W	Th	F
2	3	4	5	6
9	10	11	12	13
16	17	18	19	20
23	24	25	26	27
30	31			

3/3 Faculty Meeting

3/13 Regional Professional Development

3/17 Department Meeting

April 2020 16/151

M	T	W	Th	F
		1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28	29	30	

4/1, 2, 3 Parent/Teacher Conference -

Early Dismissal (Elementary only)

4/7 Faculty Meeting

4/10 Good Friday

4/13-17 Spring Break

4/21 Department Meeting

May 2020 20/171

M	T	W	Th	F
				1
4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
25	26	27	28	29

5/5 TLI-Early Dismissal

5/12 Faculty Meeting

5/19 Department Meeting

5/25 Memorial Day

June 2020 10/181

M	T	W	Th	F
1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26
29	30			

6/2 Faculty Meeting

6/12 Last Day of School, Early Dismissal

6/15-19 Snow Make-Up Days

6/19-FHS Graduation

PREFERRED MAXIMUM CLASS SIZE GUIDELINES

*(Approved by Groton Board of Education at its Regular Meeting on October 24, 2016)*ACADEMICPREFERRED MAXIMUM CLASS SIZE

Kindergarten – 1	20
Grades 2-3	23
Grades 4-12	25
Remedial Self-Contained 6-12	14
Remedial Individual/Small Group	40 (total teacher load)

SPECIAL AREAS

Technology Education	18
Consumer Science	18
Music	25
Art 9-12	20
Physical Education 9-12	25

PUPIL – TEACHER RATIOS FOR SUPPORT PERSONNEL

Guidance Counselors	200:1
Library/Media Specialist	500:1
Special Education:	
Self-contained	12:1
Resource Room	20:1

The Math Workshop

BOE presentation November 19, 2018

Susan Austin; Assistant Superintendent
Math Specialists and Department Chair
Math Teachers

Differentiation
Intervention & Enrichment
Technology Integration
Connecticut Core Standards

“The Math Workshop is an inquiry-based model of differentiated instruction that fosters a deeper understanding of rigorous and rich mathematics that is attainable by all learners.”

Austin & Legnard, The Menu,
Teaching Children Mathematics,
NCTM publication, 2012

Core Ingredients of Math Workshop

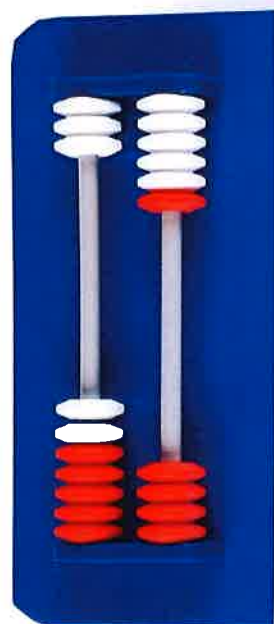
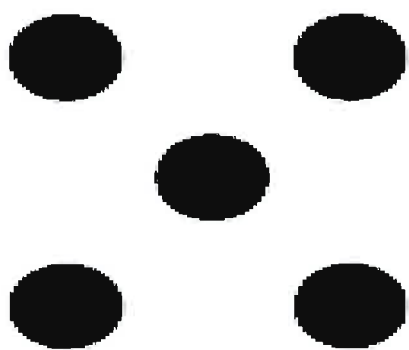
- The Launch & focused mini lesson
- Small group and individualized instruction, collaborative and independent practice
- Regular use of performance tasks, strings or number talks, models, technology and games!
- Ongoing formative assessment and teacher conferral inform instruction.
- Discussion and reflection.

It's all about the base 10!



Quick Image and models

- Use models and manipulatives; move from the concrete to the abstract
- Visualizing number
- Developing estimation
- Develops flexibility and efficiency
- Commit images to working, active, long term mathematical memory



$$7 + 4 = 11$$

hand2mind

Games, technology, strings, and
practice build computational fluency;

- Flexibility
- Accuracy
- Efficiency

Close to 20

9

5

2

Choose 3 number cards that will add up close to 20 or equal to 20.

How close can you get to 20?

What is the difference in your sum and 20?

Play 10 rounds and get your total score!

7

4

Relevant Problem solving; Performance task

How far away are we from
the 100th day of school?

Staff curriculum site Math K-12

- [Staff Curriculum Site - Math 5](#)



Elementary Math Workshop in Action!

- [Elementary video](#)
- [Elementary photos](#)



Snapshots!

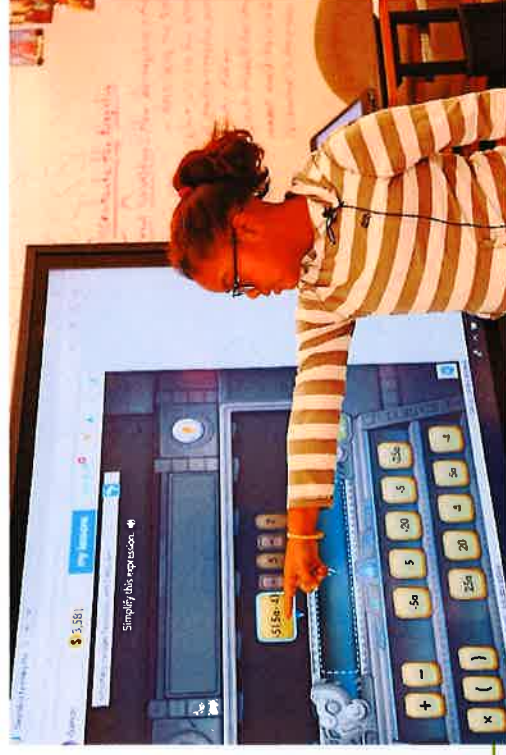
- cluster problems SBB.PNG
- SBB cluster problem video – use what you know to solve what you don't know ... YET



Middle School Math Workshop in Action!

Middle School video

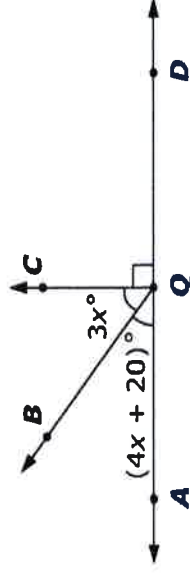
Middle School photos



Curriculum, Instruction, Assessments – the link



Consider this figure.



Enter the measure of $\angle BQD$, in degrees.

1. a. What is the *interior angle sum* of a regular octagon?
Explain your reasoning.

b. How many degrees are in *one exterior angle* of a regular octagon?

Trajectory MS - HS

- Middle School Math Course Sequence
- High School College Prep, IB Math Course Sequence
- High School AP Math Course Sequence
- High School Honors IB Math Course Sequence

Algebra Model Curriculum Middle School and High School

- [staff curriculum site Algebras](#)



Fitch High School Math Workshop

- [FHS videos](#)

- [FHS photos](#)



Curriculum, Instruction, and

Assessment

Dynamic platform for staff on new website

Connecticut Core Standards

BOE Curriculum map updated

National Science Foundation &

National Council Teachers of Mathematics materials –

Connected Math Project³ for MS;

Context for Learning Math and Investigations for Elementary

Connecticut Core Curriculum for Algebra 1, 2 and Geometry

Common Assessments per unit; SBAC gr. 3-8; PSAT/SAT gr. 9-11

Mathematically Proficient Students Will...

1

Make sense of problems and persevere in solving them.



2

Reason abstractly and quantitatively.



3

Construct viable arguments and critique the reasoning of others.



4

Model with mathematics.



5

Use appropriate tools strategically.



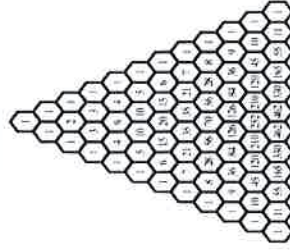
6

Attend to precision.



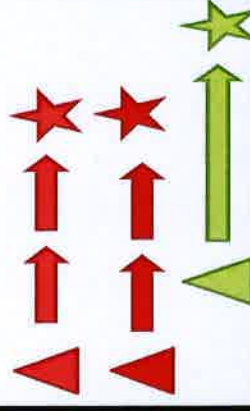
7

Look for and make use of structure.



8

Look for and express regularity in repeated reasoning.



“This kind of teaching leads students not to memorizing, but to development of *mathematical memory*. Important mathematical procedures cannot be forgotten over the summer because they are based in a web of connected ideas about fundamental mathematical relationships.”

- Susan Jo Russell (*Developing Computational Fluency with Whole Numbers*, 1999)

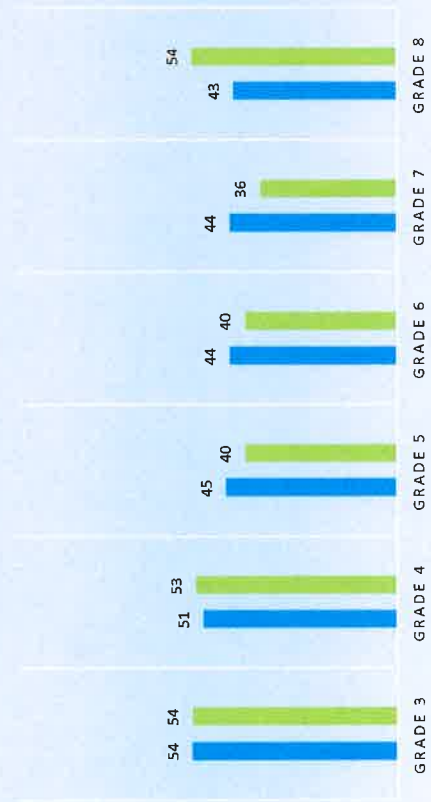
17-18 SBAC ELA

■ CT ■ Groton



17-18 SBAC MATH

■ CT ■ Groton



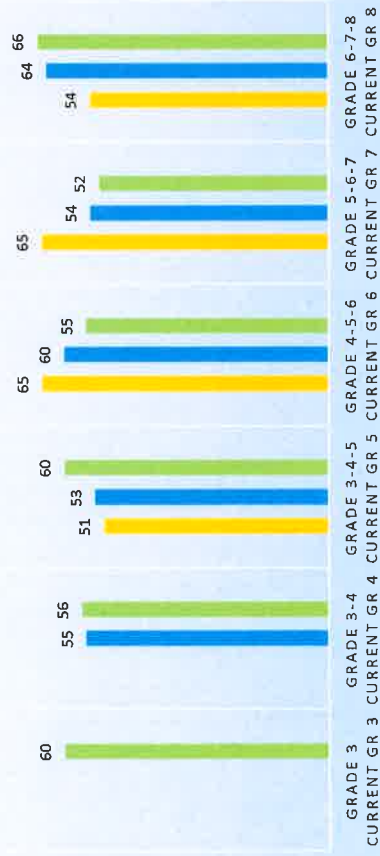
Presentation to the Board of Education

November 19, 2018

SBAC Data and Action plans.

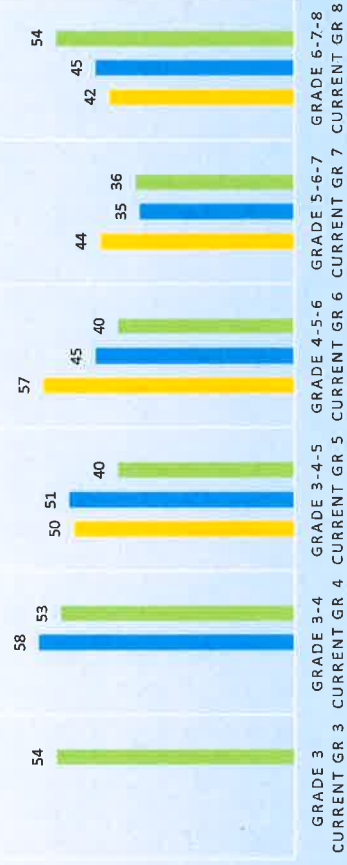
GPS - ELA

15-16 16-17 17-18



GPS - MATH

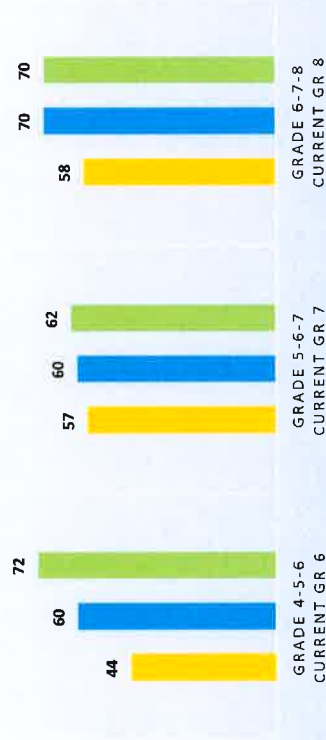
15-16 16-17 17-18



Cutler Arts & Humanities Magnet Middle School

SBAC - ELA

■ ELA 15-16 ■ ELA 16-17 ■ ELA 17-18



ELA

ACADEMIC SCHOOL GOAL:

To implement inquiry based instruction via using the methods of *The Middle Years Programme*, the Arts & Humanities Theme and new / revised curricula and / or resources.

- Analysis and Review of Data
- Columbia Teachers College Readers and Writers Project
- SBAC Interim Block Assessments
- Lexia Power Up

Tier 2 ELA Skill Classes

- Editing & revising
- Listening
- Informational-Non-fiction
- Literary-Fiction

West Side STEM Magnet Middle School

ELA

SBAC - ELA

15-16 16-17 17-18



Tier 2 Math Skill Classes

- ☐ Ratios, rates and proportions
- ☐ Geometry
- ☐ Number Sense
- ☐ Statistics

- Analyze ELA SBAC data to determine intervention support.
- Students requiring ELA intervention will be placed into ELA skill specific Tier 2 classes with ELA teachers.
- Students requiring Tier 3 support receive it from our ELA tutors in addition to their ELA classes.
- Utilize our Literacy Specialist to work with ELA high 2's .
- Full implementation of the Teacher's College Reading and Writers Program in grades 6-8.
- Implement SBAC interim assessments (fall and winter).
- Social Studies teachers to complete one research paper this year and evaluate it with a TCRWP rubric.
- Title 1 sponsored ELA morning enrichment program
- DoDEA ELA Enrichment afterschool program.

West Side STEM Magnet Middle School

SBAC - MATH

15-16 16-17 17-18



Math

- Analyze Math SBAC data to determine intervention support.
- Students requiring Math intervention will be placed into Math skill specific Tier 2 classes with Math teachers .
- Utilize our Math Specialist to work with Math high 2's
- Full implementation of the Connected Math Project (CMP3) in grades 6-8
- Title 1 sponsored morning Math enrichment program
- DoDEA afternoon Math Enrichment program
- Dreambox and Moby Max
- Implement SBAC interim assessments

Cutler Arts & Humanities Magnet Middle School

SBAC - MATH

15-16 16-17 17-18

Math



- Analysis and Review of Data
- CMP3
- SBAC Interim Block Assessments
- DreamBox

School Climate/Culture

Cutler Arts & Humanities Magnet Middle School

- Restorative Practices
- Arts & Humanities Integration
- RROCKS
- Increase Student Attendance
- Positive Communication to Families

West Side STEM Magnet Middle School

Focus on Social Emotional Learning

- Hold monthly *Positive Behavior Intervention and Support (PBIS)* assemblies to reteach and promote school-wide behavioral expectations – “The West Side Way”
- Provide Tier 2 and 3 behavioral intervention supports
- Weekly Advisor Advisee lessons
- Wildcat Cards Program
- Provide professional development for staff in behavioral interventions(Polly Bath)- March 26th, 2019.
- Conduct trauma sensitive checklist

Groton Public School Farm-to-School Program (F2S) Proposal Outline

Proposal due to USDA on Dec 4, 2018

Proposal submission date Nov 27, 2018

In 2015, Groton Public Schools, in partnership with Food Corps, developed a districtwide Farm to School (F2S) program.

The F2S Program includes:

- Local procurement and distribution through nine school cafeterias and a summer meals program;
- In-school and after-school agriculture and nutrition activities through school garden construction and maintenance, cafeteria taste tests, cooking lessons, and farm field trips;
- Partnerships with local farms for procurement and education, including Coogan Farm (Denison Pequotsepos Nature Center), Stone Acres Farms, Whittles Farm, Lepreste Farm, Huntsbrook Farm, and Provider Farms.

Accomplishments thus far:

- Increased local procurement by 60%;
- In addition to serving whole foods with each meal, Fitch High School (FHS) dietitian and chef are creating new menu items (over 12 per year) with local produce that is then batched, distributed to, and served in all nine school cafeterias;
- FHS culinary students are working with food service staff and the district Food Corps representative to expand menu items and identify additional ways to scale up the program;
- Developed a comprehensive F2S educational program, including the construction of four gardens, at two elementary schools with high F/R lunch populations, Charles Barnum (F/R 51%) and Claude Chester (F/R 76%);
- Formed a districtwide F2S committee that includes representatives from all nine schools.

Program goals for Groton F2S Program over two-year grant-funded project:

- Continue to increase local procurement and menu items;
- Strengthen procurement and education partnerships;
- Increase district food production infrastructure via construction of FHS greenhouse and purchase of walk-in freezer;
- Increase food production at each school via construction of new gardens and distribution of cooking and garden toolkits to each school;
- Expand comprehensive F2S education program to all schools throughout the district.

Sustainability goals for Groton F2S Program over two-year grant-funded project:

- Ensure that F2S goals align with Groton Public Schools and Board of Education district initiatives, including Groton 2020 Plan and 2017-2022 Strategic Plan;
- Host fundraising events in partnership with local Farm-to-Table restaurants and businesses;
- Increase community involvement;
- Provide professional learning opportunities for F2S committee in order to expand leadership capacity throughout district.

2019 USDA Farm to School Grant Program

Applicant: Groton Public Schools Food Services, Inc.

Project Name:

Total Amount of Federal Funds Requested: \$100,000

Budget Details				
Budget Categories	Description	Yr 1	Yr 2	<div> <div>Fed Amt Requested: Cost over 2 years</div> <div>25% Match: Non-Federal Funds</div> </div>
Personnel				
F2S Program Coordinator	1.0 FTE to oversee project and program implementation	\$20,000	\$20,000	\$40,000 \$40,000
Personnel Total				\$0
Fringe Benefits				\$0
Fringe Benefits	Healthcare	\$5,000	\$5,000	\$10,000 \$10,000
Fringe Benefits	FICA and Medicare (6.20% FICA, 1.45% Medicare * Project Coordinator salary)	\$1,500	\$1,500	\$3,000 \$3,000
Fringe Total				\$0
Travel				\$0
Meeting	Travel to post award meeting, location TBD (includes hotel, transportation, meals for F2S Program Coordinator and GPS Food Services Program Director)	\$3,000		\$3,000
Conference	National Farm to Cafeteria Conference (Farm to School Network) (2-3 nights hotel, plane ticket, food, travel to conference, travel to the airport from here)	\$1,500.00	\$1,500.00	\$3,000
Travel Total				\$0
Equipment				\$0

2019 USDA Farm to School Grant Program

Applicant: Groton Public Schools Food Services, Inc.

Project Name:

Total Amount of Federal Funds Requested: \$100,000

Budget Details

Food Equipment	Walk-in outdoor freezer	\$18,000		\$18,000	
Food equipment	Conduit - wires for freezer	\$500			
Equipment Total				\$0	
Supplies				\$0	
Food	Food (\$500/month/year) for nutrition and culinary activities, student taste tests, and community events	\$5,000	\$5,000		
Program Promotional Material	Educational material on Groton F2S Program (including posters, signs, program brochures and guides) for students, families and community	\$2,500		\$2,500	
Cooking Toolkits	\$300/toolkit (serving bowls, mixing bowls, cutting boards, knives, measuring cups and spoons, onion cutter, miscellaneous tools) * 5 schools	\$1,500		\$1,500	
Storage Sheds for School Gardens	\$800/shed * 5 schools	\$4,000			
New School Gardens	Supplies for 3 new schools (SB, CC, WSMS) = (\$100/lumber + \$80/soil) * 6 beds (two per school)	\$3,000		\$3,000	
Renovate Existing School Gardens	Supplies for 5 schools (CC, CB, NEA, CK, MM)	\$3,000		\$3,000	
Garden Supplies	Miscellaneous garden supplies, including seed, shovels, rakes, garden gloves, for all schools	\$2,000		\$2,000	
Supplies Total				\$0	

2019 USDA Farm to School Grant Program

Applicant: Groton Public Schools Food Services, Inc.

Project Name:

Total Amount of Federal Funds Requested: \$100,000

Budget Details					
Contractual				\$0	
Marketing	Logo design for F2S program	\$500			
Construction Crew	Construction of greenhouse	\$10,000		\$10,000	
Professional Learning	National Farm to Cafeteria Conference (Farm to School Network), 2020 conference location TBD, costs based on 2018 conference in Ohio	\$250	\$250	\$500	
Field Trips	Student fees (\$175/trip * 3 trips/yr)	\$525	\$525	\$1,050	
Field Trips	Bus for students attending out-of-district field trips (\$350/bus * 2 buses * 3 trips/yr)	\$2,100	\$2,100	\$4,200	
Program Evaluator	Capital Regional Education Center (CREC)	\$750	\$750	\$1,500.00	
Contractual Total				\$0	
Total		\$84,625	\$36,625	\$106,250	\$53,000