

**CONTOOCOOK VALLEY SCHOOL DISTRICT**  
Office of the Superintendent of Schools  
106 Hancock Road, Peterborough, NH 03458-1197

**EDUCATION COMMITTEE**

August 28, 2017  
SAU Boardroom  
5:30 PM

**Minutes**

**Committee Members:**

Crista Salamy - Chair, Bernd Foecking, Janine Lesser, Linda Quintanilha, Kristen Reilly, Pierce Rigrod

**Committee Members Present:** Crista Salamy, Bernd Foecking, Janine Lesser (5:43 pm), Linda Quintanilha, Kristen Reilly

**Others Present:** Kimberly Saunders, Ann Forrest, Colleen Roy, Myron Steere, Rich Cahoon, Dick Dunning, Jen Sutton, Liz Lawler

**Crista Salamy called the meeting to order at 5:34 p.m.**

**5:30 Approval of June 19, 2017 Minutes**

**Kristen Reilly moved to approve the minutes of June 18, 2017. Bernd Foecking second. Bernd Foecking abstained. All else in favor. Motion carried.**

**5:35 Update on K-4 Eureka Math Implementation**

**Related to Strategic Plan Action Step:** 1.1.1 The School District will conduct a review of the mathematics content and instruction, and then revise curriculum and professional practices based on research and/or the analysis of CVSD student data.

Ann Forrest reported that Eureka trainers have been working with K-4 teachers and paras as part of a two-day training session. 90 people were present at training at the beginning of the year.

A number of opportunities to interact with Eureka Math have been offered over the summer, including all of the elementary principals who attended a two-day Lead Eureka Training.

A series of year-long after school support will be offered throughout the year as well.

**5:45 Review of Science Content K-4 (see attached)**

**Related to Strategic Plan Action Step:** 1.1.3 The School District will perform a review of the Science content and instruction, and then revise curriculum and professional practices based on research and/or the analysis of CVSD student data.

Ann Forrest reported that the K-12 team met for one week this summer. Liz Lawler and Jen Sutton were present to share the information on elementary.

Jenn Sutton shared background information about the work done to align the curriculum to the Next Generation standards.

Liz Lawler reported that representation K-12 for five days of training took place. The science curriculum maps were reviewed first for gaps and repetitions and to make sure that all of the standards were addressed throughout the grade spans. Grade levels were then broken out for standards review.

Science and Engineering practices were looked at and units K-5 were created. In the life science span, Janet Altabello, Harris Center, was instrumental in discussion to support this work.

Cornucopia and The Harris Center were cited as important partnerships to aid with the teaching of science.

A sample curriculum map aligned to Next Generation science standards was shared.

The standards were shared and content area and content vocabulary were detailed.

Skills that students are expected to gain were outlined as well.

As a result of shifts in the teaching of specific science areas, a focus for this year's work will be identifying resources that will be needed to be either shifted or acquired to support the delivery of instruction.

Consistency and alignment are the goal.

**6:00 Fees in the ConVal School District (Part I) (see attached)**

**Related to Strategic Plan Action Step:** 1.5.3 Students will have multiple opportunities for flexible, personalized learning.

Kimberly Saunders shared a list, by school, of fees for activities that students participate in.

With the exception of PES, most fees are covered by PTO or are covered within the budget.

GBS and SMS were detailed. The high school fees were broken into academic, athletic.

\$87K is the total when middle school trips, dance and several others are taken out.

Discussion about NHDl took place and why the fees are not covered by the district since it takes place during the school year. Dick Dunning talked about the fundraising that takes place to offset the fee that students are charged.

Discussion took place about NHDl taking place during the school day that might offset teaching responsibilities. It was reported that a teacher is assigned to this in conjunction with NHDl staff.

Discussion took place about opportunity for NHDl and also for foreign travel.

Myron Steere asked that administration provide a recommendation with regard to fees.

Rich Cahoon said that this list is a list of fees charged for ConVal programming. This does not include foreign travel or Disney travel.

What is the total trip for the Washington trip? Subsidizing of trips was discussed.

Dick Dunning explained that the Washington trip is either paid up front or in part and students work to earn their way is offered. If a student wants to go, they were afforded the opportunity to go.

Kimberly Saunders said that she feels that the school district should pay for anything that happens during the school day and not pay for anything that happens outside of the school day or overnight.

Rich Cahoon brought focus to the science fair trifold for the GBS Science Fair. PES are being asked to contribute \$2 or \$3 for field trips. The high school requires World Language Field Trip costs that might be covered by the district.

Discussion took place about the fundraising efforts that are required to support some of these trips.

Linda Quintanilha suggested that a dollar figure be arrived at for funding.

Dick Dunning said that NHDl is the most expensive program in the district. He said that it would never be equitable.

Bernd Foecking asked about potential for variety rather than going with NHDl every single year.

Myron Steere suggested that the same amount of money that is spent on sports be sent on these.

Dick Dunning suggested that all overnight trips be removed from the list. Exact costs for programs that are school directed should be detailed. The cost per student can be determined. Is the amount listed for the ticket to an event, the ticket and transportation etc. the total?

Remove the DC trips, NEHT for both schools, overnight trip for Youth & Government, and roller skating.

**Linda Quintanilha moved that we cover fees except athletics and overnight trips.**

Ann Forrest reported what the K-12 Field Trip Policy IJOA states.

Rich Cahoon said that the trips should take place over vacation weeks.

Bernd Foecking said that the urgency for this discussion was to deliberate for future decision making.

Crista Salamy said that the information needs further review and should be discussed at the next Education Committee meeting.

Crista asked for consideration of what is most valued for our students outside of money.

Rich said that this is another place where there is a discrepancy between middle schools.

Dick Dunning said that if these trips, such as the Washington trip, are required over vacation, you will see a decline in enrollment for both staff and students.

This topic will carry forward to the September Education Committee meeting.

**6:30      Other**

None.

**Motion to adjourn at 6:51 p.m. Second. Unanimous.**

Respectfully submitted,

Brenda Marschok

	K	1	2	3	4
Physical Sciences	Forces and Motion	Light and Sound	Matter	Magnets and Motion	Waves and Light Energy Electric Currents
Life Sciences	Animal/Plant Interactions and Survival	Adaptations and Heredity	Seed Dispersal/Pollination Plant Growth Habitats	Life Cycles and Adaptations	New Hampshire Mammals
Earth and Space Sciences	Weather	Earth's Place in the Universe	Landforms/Water	Weather and Climate	Land and Water
Engineering, Technology, and Applications of Science	Becoming a Scientist	Becoming a Scientist	Becoming a Scientist	Becoming a Scientist	Becoming a Scientist



# Physical Science: Matter

Collaboration

## Core Map Template

### Competencies

### Standards

GSS: Disciplinary Core Ideas

NGSS: Grade 2

#### PS1: Matter and Its Interactions

##### PS1.A: Structure and Properties of Matter

- Different kinds of matter exist and many of them can be either solid or liquid, depending on temperature. Matter can be described and classified by its observable properties. (2-PS1-1)
- Different properties are suited to different purposes. (2-PS1-2),(2-PS1-3)

##### PS1.B: Chemical Reactions

- Heating or cooling a substance may cause changes that can be observed. Sometimes these changes are reversible, and sometimes they are not. (2-PS1-4)

### ConVal Learner Expectations

### Imported Standards

### Unit Notes

### Essential Questions

How are materials similar and different from one another?  
How do the properties of the materials relate to their use?  
How does heating or cooling a substance cause changes?  
Why are some changes able to be reversed and some not?

## Content

Students will know...

### Disciplinary Core Ideas Content:

- Matter: Solid, Liquid, Temperature
- Water, Ice, Steam
- Properties: Observable, Uses
- Changes: Reversible, Irreversible

## Content Vocabulary

**matter** - the thing that forms physical objects and occupies space  
**substance** - a material of a particular kind  
**properties** - a special quality or characteristic of something  
**reversible** - to be able to be changed back to an original state  
**irreversible** - impossible to change back to original state  
**heating** - to add warmth to something  
**cooling** - to cool something  
**evidence** - something which shows that something else exists or is true  
**solid** - firm or hard; not having the form of a gas or liquid  
**liquid** - a substance that is able to flow freely  
**temperature** - a measurement that indicates how hot or cold something is

## Skills

OK

Students will be able to ...

### Disciplinary Core Ideas Skills:

- Describe and classify the states of matter based on observable properties
- Explain that solids and liquids lend themselves to different purposes
- Observe changes of materials caused by heating or cooling
- Use evidence to explain that some changes are reversible and some are not

## Assessments

## Resources

- Lakeshore Matter kit
- Pearson Science Leveled Reader [Matter](#)
- Pearson Science Leveled Reader [Properties of Matter](#)

### Books:

[Properties](#) Delta Science Reader  
[Liquids](#) WR Science  
[Many Kinds of Matter](#) Jennifer Boothroyd

## Technology Integration

## Lesson Plan



School	Fee Description:	Grade/Class	# students (est)	Amount of Fee:	Notes:
GBS	NHDI Dance Team	5-8	24	\$215	Participation fee
GBS	Washington DC trip	8	65	\$800	School trip
GBS	N.E. Heritage Tour	7	5	\$575	Optional overnight trip
GBS	Keene State Tour	8	72	\$15	Whole grade 8 trip
GBS	NHDI Swat Team	5-8	6	\$200	Extra Dance team participation fee
GBS	Palace Theater	7	70	\$12	Field trip to see a play
GBS	Capital Center	8	70	\$15	Field trip to see a play
GBS	Science Fair Trifold	5-8	140	\$1	For science fair
GBS Total			452	\$64,345	
PES	Field Trips	4	50	PTO covers the cost	state house
PES	Field Trips	3	53	\$2	Pack Monadnock Hike
PES	Field Trips	2	48	PTO covers the cost	Colonial Theatre
PES	Field Trips	1	41	\$3	Colonial Theatre
PES	Field Trips	K	45	PTO covers the cost	museum
PES Total			237	\$229	
SMS	NHDI	5-8	30	\$215	Participation fee
SMS	AHT	8	65	\$800	Travel cost
SMS	Class trip Theater	8	100	\$20	admission
SMS	Class trip Theater	7	110	\$20	admission
SMS	Class trip Field trip	6	100	\$20	admission
SMS	Class trip Field Trip	5	100	\$20	admission
SMS	Roller Skating	5-8	30	\$7	admission
SMS	Field Trip Canobie	8	100	\$20	admission
SMS	Field Trip End of Year	8	100	\$20	admission
SMS	Elite Dance NHDI SWAT	5-8	5	\$200	participation fee
SMS	Trip NEHT	7	20	\$570	Travel cost
SMS Total			760	\$77,055	
DCS	No Fees - budgeted funds, PTO	K-4	40	\$0	

School	Fee Description:	Grade/Class	# students (est)	Amount of Fee:	Notes:
GBS	NHDI Dance Team	5-8	24	\$215	Participation fee
FES	No Fees - budgeted funds, PTO and student activity account cover all costs	K-4	67	\$0	
GES	No Fees - budgeted funds, PTO and student activity account cover all costs	K-4	70	\$0	
HES	No Fees - budgeted funds, PTO	k - 4	48	\$0	
BES & AES	No Fees - budgeted funds, PTO and student activity account cover all costs	k-4	210	\$0	
Total K-8				\$141,629	



School	Fee Description:	Grade/Class	# students	Amount of Fee:	Notes:
CVHS	World Lang FT	9-12	40	\$20	Performance
CVHS	Science FT	10-12	50	\$26	Aquarium Trip Oceanography
CVHS	Art FT	9-12	60	\$15	Museum Trips 1-2
CVHS	Math	11-12	25	\$50	6 flags Physics Day
CVHS	AP Exams	10-12	101	\$90	
CVHS	Parking Decal Fee	HS	200	\$5	Moving forward
CVHS	Equestrian	7-12	23	\$175	For Competitions, check written to NIHSET
CVHS	Dance Team	9-12	5	\$100	
CVHS	Youth and Government	9-12	25	\$200	Hotel and Materials for Concord
CVHS	<b>Total Academic and Other</b>			<b>\$23,805</b>	
CVHS	<b>Athletics</b>				
CVHS	<b>FALL 2017</b>				
CVHS	Golf	9-12	11	\$50	
CVHS	Fall Spirit	9-12	10	\$50	
CVHS	Girls Soccer	9-12	41	\$75	
CVHS	Boys Soccer	9-12	49	\$75	
CVHS	Field Hockey	9-12	33	\$75	
CVHS	Cross Country	9-12	31	\$75	
CVHS	Volleyball	9-12	24	\$75	
CVHS	Football	9-12	50	\$125	
CVHS	Unified Soccer	9-12	15	No Fee est.	New as of 2014-15
CVHS	<b>Winter 2016-17</b>				
CVHS	Alpine Ski	9-12	15	\$50	
CVHS	Winter Spirit	9-12	15	\$50	
CVHS	Indoor Track	9-12	29	\$50	
CVHS	Nordic Ski	9-12	7	\$75	
CVHS	Wrestling	9-12	14	\$75	
CVHS	Boys Basketball	9-12	33	\$100	
CVHS	Girls Basketball	9-12	16	\$100	
CVHS	Boys Ice Hockey	9-12	16	\$125	7 Conant @ \$800 per
CVHS	Girls Ice Hockey	9-12	14	\$125	1 Conant @ 800 per
CVHS	Unified Basketball	9-12	29	No Fee est.	New as of 2014-15
CVHS	<b>Spring 2017</b>				
CVHS	Boys Tennis	9-12	14	\$50	
CVHS	Girls Tennis	9-12	15	\$50	
CVHS	Baseball	9-12	28	\$75	
CVHS	Softball	9-12	26	\$75	
CVHS	Track & Field	9-12	48	\$75	
CVHS	Boys Lacrosse	9-12	39	\$75	
CVHS	Girls Lacrosse	9-12	38	\$75	

CVHS	Unified Track & Field	9-12	?	No Fee est.	Upcoming in Spring 2018
Total Athletics				\$48,700	
Numbers of athletes above are based on Winter 2016 -17, Spring 2017 and Fall					
2017 Family ID registrations for each sport.					
Amount of Fee is based on the previous Fee Structure last required in 2014-15.					

CVHS Total Fees				\$72,565	
K-8 Total Fees				\$141,629.00	
Total Student Fees				\$214,194	