Hollis School Board Wednesday, February 1, 2017 Hollis Upper Elementary School 6:00 PM

All Times are estimates and subject to change without notice

6:00	Call to Order Agenda Adjustments
6:05	Approve Meeting Minutes Nominations/Resignations/Correspondence
6:10	Public Input Principal's Report – Informational
6:20	Science Presentation
6:45	Insurance Consultants Presentation
7:10 7:30	Discussion Energy study working group update municipal lease electrical Deliberations
	 To see what action the Board will take regarding the ESWG invoices To see what action the Board will take regarding the Hollis Expendable Trust
7:45	Update – Start time committee
7:55	Non – Public under RSA 91-A: 3II (a) Compensation and/or (c) Reputation
8:00	Motion to adjourn

Hollis School District Administrative Report February 2017

Calendar, Events, Programs

- HPS Incoming K and 1st Grade Registration has been extended until February 24th! All forms and information can be found on the HPS website.
- HPS/HUES February 23rd at 6:15 at HBMS 3rd Parent Talk sponsored by the PTA "Seven Steps to Stop the Worry Cycle."
- HUES/HPS February Vacation, week of the 27th

Enrollment for 2016/2017:

PK – 3's: 11

PK – 4's: 9 Grade 3: 97 Grade K: 60 Grade 4: 116 Grade 1: 81 Grade 5: 95 Grade 2: 86 Grade 6: 107

Building & Grounds:

- HPS/HUES Maintaining safe hallways and entrances as the snow moves in, continuing to check and maintain heating systems throughout the cold months.
- HPS/HUES Vacation allowed for some extra cleaning and continued maintenance on each building.

Staffing & Students:

- HPS/HUES continue to work on the budgeting process for the upcoming 17/18 school year.
- HPS/HUES Both buildings are working on an Interim Assessment for Smarter Balanced Assessment to ensure the online components of the assessment are working.
- HPS/HUES both buildings continue to monitor academic growth through district common assessments and plan instructional lessons based on assessment data.

Celebrations:

- HPS The all school Town Meeting for January included a story about Martin Luther King Jr. Hosted by Ms. DeLisle's second grade class. The February Town Meeting will be hosted by Mrs. Cornell-Smith's Class with a focus on friendship.
- HPS February 3rd the Fisher Cats Reading Challenge will begin with a visit from their mascot!
- HUES students will host an assembly for their peers focused on perseverance
- HUES staff challenged themselves by participating in a staff spelling bee to show that even adults can try things that are scary for them. Congratulations to Ms. Hansen - our new HUES champ!
- HUES students participated in spelling bees and worked really hard on those tough words! Congrats to all who tried!

Hollis School District Monthly Enrollment Breakout February 2017

Grade	Class size Per District Policy	Number of classes	NESDEC Projections 16/17 SY	Number of students (1/25/2017)	Change from last report	Actual class Enrollments
Pre – K 3 year olds		1	18	11	0	11
Pre – K 4 year olds		1		9	0	9
Kindergarten		4	59	60	0	15, 15, 15, 15
Grade 1	18	5	79	81	0	16, 16, 16, 16, 17
Grade 2	18	5	86	86	0	16, 17, 17, 18, 18
Grade 3	20	5	95	97	0	119, 19, 19, 20, 20
HPS Totals		21 classes		344		
Grade 4	23	6	117	116	0	19, 19, 19, 19, 20, 20
Grade 5	23	5	94	95	0	18, 18, 19, 20, 20
Grade 6	23	5	106	107	0	21, 21, 21, 22, 22
HUES Totals		16 classes		318		
HSD Totals		37 classes		662		

^{*} denotes class sizes over policy expectations

Enrollment History:

Elifolificht History.		
	HPS	HUES
School Year	September	September
	Starting Enrollment Numbers	Starting Enrollment Numbers
2016	337	319
2015	345	295
2014	352	291
2013	358	292
2012	340	294
2011	340	297

Science Instruction in Hollis

2016 - 2017

Making Science Instruction a Focus

NH has formally adopted the Next Generation Science Standards which requires a Shift in our Instructional Approach:

- hands on exploration, constructivism, more inquiry process & problem solving skills
- Understanding of the Disciplinary Core Ideas
- 4C's: Critical Thinking, Communication, Creativity and Collaboration
- Cross-cutting concepts allow for integration of literacy, math and social studies
- Project Lead The Way (PLTW) Modules as one of our curriculum tools
- Performance Assessments Activities that follow the Engineering Design Process

Kindergarten

Structure and Function: Engineering Design

3 Little Pigs Activity

Structure and Function: Human Body

Pushes & Pulls: Possibly a Physics Fun Day in the Spring in Coordination with 6th Grade











1st Grade

Science Talk at Lavoie's Farm Pumpkin Patch

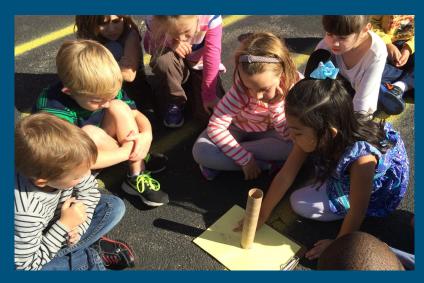
Design Your Own Pumpkin Scoop & Apple Transporter

Light Observing the Sun, Moon & Stars Module

Make a Sundial









2nd Grade

Materials Science: Form & Function

Materials Science: Properties of Matter

Ice Cube Insulators

Water Barrier Activity

Bird Beak Activity









3rd Grade

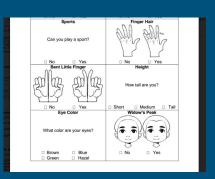
Field Trip to HBHS for Trebuchet Day

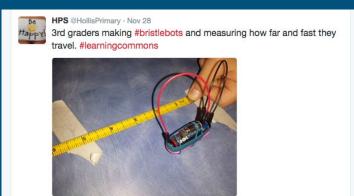
Bristle Bots in the Learning Commons

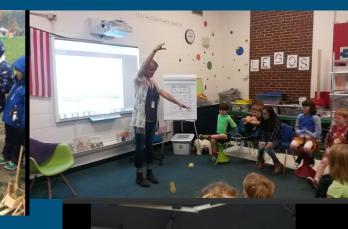
Variation of Traits

3D Multiplication Tables - Project Based Learning (PBL)

Stability & Motion: Forces and Interactions









Thank you @HB highschool for a great Treb Day! The kids are still

4th Grade

Engineering Design Process: Bridge Construction

Landforms & Erosion: Sugar Cubes

VEX Construction Kits

Energy Collisions & Conversion

4th graders are assembling pasta bridges!!! #elemSTEM









5th Grade

Infection Detection Module

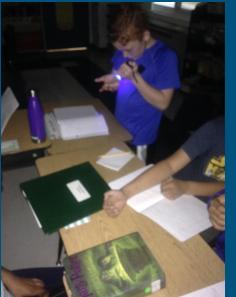
Nutrient & Energy Cycling: Methane Phenomena & Winter Hike

Job embedded PD for Robotics

Astronomy Lessons











6th Grade

Scientific Method vs. Engineering Design Process

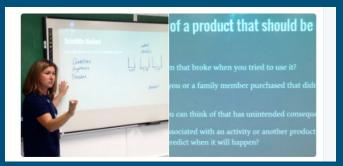
Engineering Design Failures & Redesign of Products

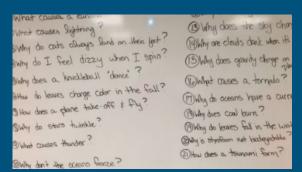
The 6th grade team getting some prof development during an ecology hike with Mr. Bothmer! #lunchnlearn #NGSSMS

Changes in Ecosystems

Mt. Washington Observatory Weather vs. Climatology with job embedded PD

Physics Fun Day with K to include Rocket Launching







Quotes from our Students

"I liked that you had to think a lot to figure things out, especially during impasse and needing to work a different angle and think of a different route."

"It was fun because it was mysterious and got to experiment different ways to get rid of the germ."

"I liked to see how water would travel because my dad's an engineer. I liked doing something my dad does."

"This Makerspace is AWESOME! My old school didn't have anything like this!"









The 4th graders' Solar Ovens from STEM Week were put to the test today! And they're working!!!!





HPS @HollisPrimary - Sep 26

Dress like a scientist day...or a doctor...or an archeologist...#STEM week #PLTW





Both HPS & HUES are on Twitter!



HPS @HollisPrimary - Oct 11

3rd graders about to present 3D LEGO multiplication proposal.

#problembasedlearning #grit #math





Learning New Content Together

Regular choice & team meetings with teachers to identify needs & share resources

Teachers have attended PLTW training

Additional robotics training done as job embedded professional development

Project WILD summer PD & NGSS aligned activities

Multiage learning opportunities

Enriching field trips that incorporate PD for Teachers

Nov 8th PD Day had a Science Thread!



Quotes from our Teachers

"The [PLTW] modules & activities are really engaging. Students love doing them. I like that I can bring the tub of materials into my classroom or do the activity in the Makerspace."

"We designed a States of Matter activity last year where students used the EDP. We like that activity and talked as a team about integrating it with the PLTW module."

"Can we do a school-wide STEM Challenge Day? Each class could design an activity and the students rotate through the stations?"

"My students do well with hands-on types of activities. They have to work in groups and use a variety of skills to get the tasks done. They can see the 4C's in real life and we are able to reflect on them."

HUES teachers learning by doing
@PLTWorg training today! #SAU41learns
#elemSTEM





Next Steps for Students & Teachers

In 2nd and 3rd Trimesters:

VEX Robotics Kits & programming
Energy conversion & alternative energy
Hydroponics
Climatology
Animal adaptations
Waves of light: shadows

Field Trips:

Astronomy lessons

Mt. Washington Observatory
Minute Man National Park & Kimball
Farm to visit their hydroponic
greenhouses

Additional VEX Robotic Kit Training

Professional Development at Conferences

Reflecting on our Needs

Summer Curriculum Work:

- -Deeper Connections with the Cross-Cutting Concepts (interdisciplinary integration)
- Identifying age appropriate mentor texts
- Content acquisition through readings, courses

Upcoming School-Wide Events

Feb 9th - StarGazing with your Valentine

Feb 10th - UNHStembassadors coming to HUES

March 21st: STEM Faire with Brookline at HBMS

March 30th: PTA Science & Engineering Fair



Innovative Natural Resource Solutions LLC

37 Old Pound Road Antrim, NH 03440 603-588-3272 www.inrsllc.com

Invoice submitted to:

Hollis School District Attn: Andrew Corey 4 Lund Lane Hollis NH 03049

Invoice # HSD-2017-01

January 11, 2017

In Reference to: Hollis Schools Energy Study Consulting

Professional Services

For completing consulting services related to Hollis schools energy project, December, 2016 (Itemized time and expense detail attached)

Charles R. Niebling, Innovative Natural Resource Solutions LLC	\$ 569.09
D. Dickinson Henry, Hot Zero (subcontractor)	\$ 2,464.71
Resilient Buildings Group (subcontractor)	\$ 1,600.00
John F. Penney Consulting Services (subcontractor)	\$ 2,240.00
Sub-Total Invoice #HSD-2017-01	\$ 6,873.80
Overdue Balance Invoice #HSD-2016-08, 12/1/2016	\$ 12,985.33
TOTAL NOW DUE	\$ 19,859.13

Hollis			
C.Niebling Time Summary	1		
			100.00
12/1/2016 (TIME) Billable	C. Niebling Project Work	1.00 0:00:00	100.00
Complete	Hollis	1:00:00	100.00
Review minutes from 11/28 VI32	mtg, comments to T. Fareed; admin tasks	s; revise slides for HSB Dec. 7 presen	tation; mtg D. Henry; VI31,
			100.00
12/7/2016 (TIME)	C. Niebling Project Work	2.33 0:00:00	233.33
Billable Complete	Hollis	2:20:00	233.33
Prep for, attend Hollis Scho	ol Board meeting; VI 31, VI 32, VII 36		
			50.00
12/7/2016 (TIME) Billable	C. Niebling Travel	1.67 0:00:00	83.33
Complete	Hollis	1:40:00	83.33
Travel to, from HSB mtg			
			0.54
12/7/2016 (EXPENSE) Billable	C. Niebling \$mileage	94.00	50.76
Complete	Hollis		50.76
Roundtrip mileage, Boscaw	en to Hollis		
			100.00
12/13/2016 (TIME) Billable	C. Niebling Project Work	0.50 0:00:00	50.00
Complete	Hollis	0:30:00	50.00
Mtg with D. Henry to discus	s A. Corey email questions re: project fina	nce phasing. Draft response. VI31, V	132, VII37
12/14/2016 (TIME)	C. Niebling	0.52	100.00
Billable Complete	Project Work Hollis	0:00:00 0:31:00	51.67
			51.67

Prepare reply to A. Corey email; phone conf K. Epsen, NHSEA re: net metering policy; mtg D. Henry re: same; VI31, VI32, VII37									
			518.33						
Subtotal for Hollis	Total Hours Unbillable Hours	6:01:00 0:00:00	0.00						
	Billable Hours Total Expenses	6:01:00	518.33						
	Total Expenses		50.76						



D. Dickinson Henry, Jr.

HotZero

Suite 5 2nd Floor 72 N Main St. Concord, NH 03301 Invoice

Date: December 31, 2016

Invoice #: 8

Sales Tax
Total \$

2,464.55

Charles Levesque INRS 37 Old Pound Road Antrim, NH 03440

Qty	Description	Unit Pr	ice	Line Total	
22.19	Consulting work on Hollis Project from Nov. 28 - Dec 31, 2016	\$	100.00	\$	2,219.00
3.34	Travel Time	\$	50.00		167.00
162.00	Mileage		0.48		78.55
			Subtotal	\$	2,464.5

		Project			
Date	Client	Code	Task	Notes	Hours
			Phone Calls -		
11/28/2016		13	3 research	Meeting with EWSG	2.75
11/28/2016	Hollis		Travel	Meeting	
			Phone Calls -	Jason Parkhurst Dana Nute John Penney gap	
12/1/2016	Hollis	12	2 research	infiltration and Munters	1.83
			Phone Calls -	Prep for Andy's questions. Paul Leveille. Dana	
12/8/2016	Hollis	12	2 research	Nute Jack Bingham John Penney	3.2
			Phone Calls -	John Penney Dana Paul re HUES jack	
12/9/2016	Hollis	12	2 research	Bingham	5.24
			Phone Calls -	Charlie re response to Andy Dave Ely Dana	
12/13/2016	Hollis	12	2 research	Paul L	2.53
			Phone Calls -	Review of data and prep for field trip	
12/14/2016	Hollis	12	2 research		2.5
			Phone Calls -	Ed and Paul data collection and manometer	
12/14/2016		12	2 research	testing at HUES	2.49
12/14/2016	Hollis		Travel		
			Phone Calls -		
12/15/2016	Hollis	12	2 research	Paul & Dana and info for Mick	3:03
			Phone Calls -	Mick Dunn & John Penney re PCM and retro	
12/28/2016	Hollis	12	2 research	commissioning of DDC system.	1.02
			Phone Calls -		
12/30/2016	Hollis	12	2 research	Discussion with Charlie	0.5

22.19

Resilient Buildings Group, Inc. 6 Dixon Ave., Ste 200 Concord, NH 03301



Invoice

Invoice Date:	Invoice #:
12/31/2016	292

Bill To:
Innovative Natural Resource Solutions LLC
37 Old Pound Rd.
Antrim, NH 03440

	Terms I		Project Name	Contract #
	Net 30	Hollis S	chools Energy Study	16.029
Description	Hours	s/Qty	Rate	Amount
Services provided in December, 2016 See Attached Detail			1,600.	00 1,600.00
			Total	\$1,600.00
			Payments/Cre	dits \$0.00
			Balance Due	\$1,600.00

Date	Task	First Name	Last Name	Notes	Hours	Billable Rate	Billa	able Amount
12/5/2	016 Upper Elementary	Scott	Maslansky	Roof length	1.00	\$ 100.00	\$	100.00
12/5/2	016 Upper Elementary	Paul	Leveille	Calculate Effective Leakage Area / takoffs	1.00	\$ 100.00	\$	100.00
12/6/2	016 Upper Elementary	Dana	Nute	Calculate infiltration rate using "open hole method" and volume. Send calcs to team	1.00	\$ 100.00	\$	100.00
12/9/2	016 Upper Elementary	Paul	Leveille	Review with DH, JP and Dana / review drawings for testing	1.50	\$ 100.00	\$	150.00
12/9/2	016 Upper Elementary	Dana	Nute	Conf call with team on process for air infiltration testing	0.50	\$ 100.00	\$	50.00
12/13/2	016 Upper Elementary	Paul	Leveille	Zone Pressure Testing research / prep for site visit	1.00	\$ 100.00	\$	100.00
12/14/2	016 Upper Elementary	Paul	Leveille	Collect equipment / Zone Pressure Testing and download dataloggers	3.00	\$ 100.00	\$	300.00
12/14/2	016 Travel-Billable	Paul	Leveille	Site Visit	2.00	\$ 100.00	\$	200.00
12/15/2	016 Upper Elementary	Paul	Leveille	Download data / create report / review with Dick / review wall sections	5.00	\$ 100.00	\$	500.00
				TOTALS	16.00		\$	1,600.00

231 South Main Street P.O. Box 10 Chester, VT 05143

Invoice Number: 3482

Date: December 29, 2016

INVOICE

Project Number: 16041.10

Innovative Natural Resources Solutions, LLC

Attn: Charlie Niebling 20-220 Depot Street, Suite 3 Peterborough, NH 03458

Hollis Upper Elementary School

For Professional Services Rendered Through: December 31, 2016

Professional Services

		Hours	Rate	Amount
	Calculations	8.50	65.00	\$552.50
	Commissioning	12.50	65.00	\$812.50
	Coordination	1.00	125.00	\$125.00
	Design Review	2.00	125.00	\$250.00
	Project Meeting	3.00	125.00	\$375.00
	Research	1.00	125.00	\$125.00
Total Professional Services		28.00	_	\$2,240.00

Maximum Allowable\$6,200.00Previously Billed\$3,931.25Current Invoice Amount\$2,240.00Remaining Contract\$28.75

Invoice Total \$2,240.00



School Administrative Unit #41

Hollis, Brookline & Hollis-Brookline Cooperative School Districts
Office of the Superintendent of Schools
4 Lund Lane
Hollis, New Hampshire 03049
603.324.5999 fax 603.465.3933

DATE: February 1, 2017

September 6, 2016 (original memo)

TO: Hollis School Board

FROM: Kelly Seeley

Business Administrator

SUBJECT: Hollis School Buildings Expendable Trust Issue

During the audit fieldwork in August, the auditor made me aware of a situation we have with the Hollis School Buildings Expendable Trust. The balance of the Trust as of 6/30/16 is \$116,691. Of that balance, \$103,977 represents expenditures originally applied to the Trust in years prior to July 1, 2011. So, the available balance is: \$12,714. In FY17 we'll be moving approximately \$72,200 in expense from the Trust to the General Fund based on the Board's approval of summer expenditures. We will also be adding \$55,000 as a result of the taxpayer approval of the FY17 budget bringing the balance to approximately -\$4,486.

The Board has the choice of two actions:

- 1. We can move the \$103,977 to the General Fund as was originally intended but some of the \$72,200 would need to be expended from the General Fund without going over budget in FY17 to avoid a negative balance in the Trust. Depending on how much is moved, there could be very little left in the Expendable Trust for future needs.
- 2. Since these expenditures were made from the General Fund at the time of the expense and have never been requested from the Expendable Trust, the Board could restate in their minutes that these funds should have been applied to the General Fund.

Doing this will let the balance in the Expendable Trust remain available for current and future needs. The unreserved fund balance will be reduced by \$103,977. At this time the audit is showing the unreserved fund balance to be \$430,387. This reduction will reduce the balance to \$326,410.

A sample motion for this would be: "I move that we restate our unreserved fund balance in the amount of \$103,977 to apply expenditures previously applied to the Expendable Trust to the General Fund."

It is my recommendation to go with Choice #2 especially in light of the increasing need for major repairs in both Hollis schools.