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SOUHEGAN COOPERATIVE SCHOOL BOARD

THURSDAY, OCTOBER 6, 2016

Attendees:

Administrative Team: Peter Warburton – Superintendent, Adam Steel – Business Administrator, Rob Scully- Principal SHS, Christine Landwehrle- Director of Curriculum & Professional Development, John Robichaud- Director of Facilities, Peter Gagnon- Dean of Students at SHS, Kathy White- Dean of Faculty at SHS, Karen Chininis- Guidance Director, Sue Downer- Science Teacher and Coordinator, Ane Swift- Math Coordinator SHS, and Amy McGuigan- Instructional Math Coach SHS.

Souhegan School Board- Chair- Mary Lou Mullens, Vice Chair- Howard Brown, Pim Grondstra- Secretary, Steve Coughlan, Peter Maresco and Dwayne Purvis.

Minute Taker: Danae Marotta

Public: Frank Brown- Chair Streamline Committee, Amherst NH, Ava Beaulieu- Streamline Committee Member, Amherst NH, Addie Hutchison- Moderator Souhegan Cooperative School District, Amherst NH, Amy Facey- Streamline Committee Member, Amherst, NH, and Maggie McCabe- Amherst, NH.

I. CALL TO ORDER – Chair Mary Lou Mullens

**Ms. Mary Lou Mullens called the Meeting to order at 6: 03PM.**

II. ANNOUNCEMENTS

Chair Ms. Mullens welcomed the public to the second meeting of the school year. She added that they have a long agenda and if there are repetitive questions she might intervene.

A. Principal’s Report

Principal Scully welcomed all and noted that next month there will be a lot to report on. He began his October Principal’s Report by discussing the PACE Task Development Workshop. He added that Souhegan teachers participated in the recent PACE Task Development Workshop designed to review and develop new PACE tasks.

He noted that he is very proud of the teachers’ investment in this work. He then discussed that of the seven content areas, Souhegan teachers were chosen as the lead teachers in six following areas:

*Grade 9, ELA, Sarah K - lead, Sarah Sullivan, Physical Science, Betsy - lead, Vince Tom, Algebra, Ane Swift –lead, Barb Brunelle Grade 10 ELA Kim Paniagua –lead, Mandy Dellicolli, Dawn Gibson, Geometry, Ryan Lemieux - lead, Carrie Smallwood, Life Science, Jenny Deenik Chemistry, and Sue Downer-lead.*

38 He added that this year the State has moved away from taking the lead and now teachers are  
39 taking the task.

40 He then discussed that the enrollment is 830 after today, and that 814 was the number that was  
41 used for the FY 17' Budget.

42 Principal Scully discussed that Regional Education Laboratories-NEI Competency-Based  
43 Learning Symposium was today. He then reviewed that the REL Northeast & Islands is one of  
44 10 Regional Educational Laboratories across the country charged with helping states and districts  
45 systematically use data and analysis to answer important issues of education policy and practice  
46 with the goal of improving student outcomes.

47 He added that the Regional Educational Laboratory Program is funded by the Institute of  
48 Education Sciences at the US Department of Education. He noted that Souhegan High School  
49 students have been chosen to participate on a student panel at the upcoming symposium on  
50 competency based education. He then added that he is excited about this and that they were  
51 asked to continue.

52 He then discussed that there are two visits coming up. One is the Hewlett Foundation, Nellie  
53 Mae, Center for American Progress, on October 18<sup>th</sup>. He added that a group of representatives  
54 from foundations supporting education initiatives are joining New Hampshire representatives to  
55 visit schools involved in the PACE program.

56 He noted that the following will be visiting SHS: Carmel Martin, Executive Vice President,  
57 Policy, Center for American Progress, Scott Sugaurd, Chris Shearer and Barbara Chow, Hewlett  
58 Foundation <http://www.hewlett.org/> Charlie Toulmin and Nick Donahue, Nellie Mae  
59 Foundation <http://www.nmefoundation.org/about-us> NH Deputy Commissioner - Paul Leather,  
60 NH PACE Project Manager – Mariane Gfroerer, and New Hampshire Learning Initiative  
61 Executive Director - Jonathan VanderEls.

62 He then discussed that The CCSSO supported Innovation Lab Network Annual Convening will  
63 take place in Nashua, NH on October 19<sup>th</sup>. He added that as part of the agenda, attendees will be  
64 visiting schools making significant contributions to the areas of competency based education and  
65 performance assessments. He remarked that Souhegan will serve as an on-site visit for  
66 conference attendees.

67 He then commented that the Alumni updates are presented in a different way and he will try to  
68 provide them in this format.

69 Mr. Scully then discussed that the HYPE documentary was completed and that Chris Brooks,  
70 Kelli Warecki and student representatives attended the NH Humanities dinner last Thursday to  
71 be recognized for their continued efforts in promoting the study of humanities.

72 Link to video: <https://we.tl/znLhtlf5NW>

73 He added that The Pulitzer Arts Foundation will be putting the video on their website as a  
74 demonstration of a fantastic educational program.

75 Ms. Mullens asked if there was a link to the HYPE video.

76 Principal Scully replied, yes, I'm sure it is up by now on our website.

77 Ms. Mullens asked the Board if they had any questions for Principal Scully.

78 The Board had no further questions.

79 The Board thanked Principal Scully.

80 B. Community Council Report

81 Liz Purvis discussed that they had their second Community Council meeting.

82 She added that they now have a full council, and would like to thank Mr. Steve Coughlan for his  
83 help.

84 She then discussed that there are other positions to be voted on such as Student Activities  
85 Coordinator. She added that the next Community Council meeting is scheduled for Tuesday,  
86 October 11<sup>th</sup> and they will vote then.

87 Ms. Mullens asked the Board if they had any questions for Liz Purvis.

88 The Board had no further questions.

89 The Board thanked Liz Purvis.

90 C. Committee Reports

91 Mr. Howard Brown noted that the Policy Committee has met a few times and they are discussing  
92 the transgender policy.

93 Ms. Addie Hutchinson, Moderator for the Souhegan Cooperative School District, introduced  
94 herself. She then discussed the members of the Souhegan Advisory Finance Committee and  
95 added that they are ready to start working.

96 Ms. Mullens thanked Ms. Hutchinson, and the volunteers for their time and work.

97 Mr. Maresco remarked that on Monday the Grading and Assessment Committee met for a follow  
98 up to the book review. He then noted that they defined what they thought a SHS graduate would  
99 look like.

100 He added that there was about 20 teachers and community members present as well.

101 Mr. Chen noted that he had been getting questions on competency based assessments and he is  
102 unsure as how to answer.

103 Superintendent Warburton noted that at the last SAU meeting he noted that they would discuss it  
104 at the October meeting. He added that it would be best for all of the boards.

105 Mr. Purvis asked what does the acronym PACE stand for.

106 Principal Scully replied, Performance Assessment for Competency Education, and that the  
107 climate is different and it is exciting.

108 He then added that there is a great report out and that 50% of all districts in New England are  
109 heading towards competency based education. He added that there will be more than one  
110 meeting and they are gaining traction. He added that Northeastern University has changed to  
111 competency based education.

112 He added that he would like the Board to feel comfortable with this topic.

113 Mr. Chen asked if they do training at the SAU meeting can it be taped.

114 Superintendent Warburton replied, yes, it will be live streaming.

115 Mr. Coughlan noted that PPC started last week and that the next big event is the all-day  
116 negotiations that will be coming soon.

### 117 III. PUBLIC COMMENT

118 Ms. Maggie McCabe, Amherst NH, introduced herself to the Board and then gave them all a  
119 handout about demographics.

120 She added that she was not able to come to the SAU meeting and she watched the live streaming  
121 video.

122 She then discussed Mr. Jim Manning's (Amherst School Board Member, SAU 39 School Board  
123 Member) comment on the attraction to move to Amherst NH for seniors. She then discussed the  
124 two documents, noting that in the handout for the census data, it shows that they are getting  
125 older faster.

126 She then discussed the tax structure and how that is her belief of why people come and live in  
127 Amherst. She added that this location is a draw for older people, there are a lot in our  
128 community, and some split time between here and Florida.

129 The Board thanked Ms. McCabe for her comments.

### 130 IV. CONSENT AGENDA

#### 131 A. Minutes

132 1. September 1, 2016

#### 133 B. Treasurer's report

134 1. August 2016

#### 135 C. Budget Transfer

#### 136 D. Unanticipated Revenue

137 1. \$15,000 Grant - The NH Learning Initiative for PACE work

138 E. Snow plowing bid approval

139 Mr. Howard Brown asked if it would be better to combine SHS and AMS snow plowing.

140 Mr. Steel remarked that the snow plowing bid approval is just for this winter and they can look at  
141 changing it in the future. He then discussed the reasons why SHS is separate from AMS. He  
142 noted that the Town of Amherst will be paying for AMS's snow plowing.

143 Mr. Brown noted that the issue is that the bus loop gets icy and kids slip and get hurt.

144 Mr. Steel asked if it was on Souhegan property.

145 Mr. Robichaud commented that there is a property line but is unsure of exactly where it is. He  
146 added that he will make sure that it is managed. He noted that the AMS contractor will plow  
147 through the bus loop.

148 He then remarked that he will find the exact SHS property line.

149 Ms. Mullens asked the Board if they had any other questions.

150 Mr. Brown remarked that the SHS plowing should be combined with AMS plowing.

151 **Mr. Pete Maresco made a Motion to accept the Consent Agenda Items A. Minutes 1.**  
152 **September 1, 2016, B. Treasurer's Report 1. August 2016, C. Budget Transfer, D.**  
153 **Unanticipated Revenue 1. 15,000 Grant- The NH Learning Initiative for PACE work and**  
154 **E. Snow plowing bid approval. Mr. Howard Brown seconded the Motion. 5 in favor,**  
155 **Motion passed. Mr. Dwayne Purvis abstained.**

156 V. PRESENTATION

157 A. Budget Assumptions

158 Mr. Adam Steel noted that this Souhegan FY 18' Budget Presentation is a preview of what is to  
159 come in the next coming months. He added that they have talked through and the Budget is the  
160 end result of their work.

161 He then discussed the strategic plan and how it applies to the School District. He discussed  
162 topics such as Who we Are, the Student Experience, Staffing Requirements, Fixed Costs,  
163 Discretionary Items, and then the Proposed Budget.

164 Principal Scully noted that the end result is the Budget and that it is important to understand their  
165 intentions when SHS opened.

166 He then read an excerpt from the SHS Owner's Manual , 92' *"Schools change lives...To become*  
167 *educated is to be trained in certain skills and areas of knowledge, as well as to have that which*  
168 *is in your mind, body and heart drawn out."*

169 He then discussed the Mission and Beliefs. He read the SHS Mission as *"Souhegan High School*  
170 *aspires to be a community of learners born of respect, trust and courage"*.

171 He then discussed Student Mastery and added that you will hear the term “highly effective” and  
172 then reviewed what that meant to SHS.

173 He then discussed the Resources and Partners as the New Hampshire Department of Education-  
174 Nellie Mae- Hewlett Foundations-New Hampshire Learning Initiative, United States  
175 Department of Education Center for Collaborative Education (CCE), Center for Assessment,  
176 SCALE: Stanford Center for Assessment, Learning and Equity, Council of Chief State School  
177 Officers-Innovative Lab Network, Center for Secondary School Redesign (CSSR) National  
178 Center for Innovation in Education (CIE), 2 Revolutions University of New Hampshire.

179 Mr. Steel then covered the topic Who We Are Decides, covering the topics of, Course Offerings,  
180 Student to Teacher Ratio Targets, Schedule Design, Content Delivery, Technology Strategy, and  
181 Extra-curricular opportunities.

182 Principal Scully then discussed that what they are trying to do is to articulate their vision and  
183 goals very clearly and not like a couple of years ago. He then discussed that Souhegan High  
184 School will become a destination high school. He then added that Souhegan High School will  
185 provide an unparalleled learning experience preparing student for post-secondary education,  
186 meaningful careers and responsible citizenry.

187 Mr. Purvis asked that regarding the second point, isn't that what we do now.

188 Mr. Scully noted that it is about how to prepare them differently for a different environment.

189 Mr. Maresco asked a question about competency based learning.

190 Mr. Scully replied by discussed integrating curriculum and minimum standards. He added that  
191 all gets detailed as they go.

192 He then discussed The Journey to Excellence and the SHS Mission: “*We will engage, challenge*  
193 *and support all learners*”. - SAU39 Strategic Plan

194 He then reviewed that The Souhegan High School student experience will include: Ethic of  
195 growth, collaboration and inquiry, challenging, authentic curriculum, highly effective instruction,  
196 sophisticated technology infrastructure, pathways to graduation, inspiring STEM program,  
197 engaging media/performing arts program, robust world language program, comprehensive co-  
198 curricular offerings, and access to extended learning, online learning and blended learning  
199 opportunities.

200 Mr. Steel discussed that is how they build the Budget and that staffing is the largest cost item. He  
201 reviewed that they take the projected enrollment and they know it is going down. He added that  
202 they know enrollment projections to FY 26’.

203 He then discussed the Staffing Considerations reviewing the Sections per Student, Students per  
204 Section, School Schedule Format - Currently Trimesters, Teacher Section Load - Currently 4.3,  
205 and Teacher Certification - Dual Certifications.

206 Mr. Chen then asked what the standard minimum amount of students in a class is.

207 Principal Scully replied, 15, he then discussed if the range was lower and the possible reasons.  
208 Mr. Chen asked what happens if the enrollment is below 15.  
209 Principal Scully discussed that in the past they have given the kids a second choice, among other  
210 alternatives.  
211 Discussion ensued over class sizes.  
212 Ms. Mullens commented on class sizes and what the Board has committed to in that regard.  
213 Mr. Chen remarked that class sizes are a budgetary decision.  
214 Mr. Steel added that he cannot tell what the course signups will be as of yet. He added that he  
215 can give the Board projections beforehand.  
216 Mr. Chen discussed class sizes and the guidelines. He added that the Board needs preliminary  
217 numbers and that by September it is too late.  
218 Discussion ensued over class sizes and boundaries of the School Board.  
219 Ms. Mullens remarked that it might be time to move on and the Budget study Committee will  
220 review this information. She then asked the Board if they have further questions.  
221 Mr. Coughlan noted that the discussion should be on the topic not the process.  
222 Mr. Purvis then asked about single or dual certifications teacher.  
223 Principal Scully then discussed micro-certification and how they can help teachers develop  
224 another set of skills.  
225 Mr. Steel then reviewed the Fixed Costs, NHRS - Rate increase from 15.67% to 17.36% (\$115k  
226 increase), Health - HealthTrust set GMR rates for the pool at 13.9% (\$214k increase), Utilities -  
227 Flat projection, Out of District variables, and Transportation - \$19k contract increase + \$110k  
228 vocational transportation deficit.  
229 He then discussed Discretionary Budgets including Target of 0% growth: Curricular resources  
230 (textbooks, etc.), Classroom supplies, and Athletics.  
231 He then discussed the present realities including Souhegan's leadership role Statewide and  
232 nationally, community expectations for accountability and ROI, Enrollment trending lower,  
233 Budgetary constraints( NHRS, Health, and Special needs) and the Possible consolidation of  
234 SAU #39.  
235 He then reviewed the Decision Points incorporating, classes taught per teacher, PPC  
236 Negotiations (as ongoing), and the various warrant articles of maintenance, PPC, and district  
237 consolidation.  
238 He then noted the upcoming timeline, comprising of Assumptions 10/6/2016, Draft Budget  
239 11/3/2016, Advisory Finance Committee 11/3/2016 - 11/22/2016, Proposed Budget 12/1/2016,  
240 Public Hearing 1/11/2017, Deliberative Session 2/6/2017, and then lastly, Voting on 3/14/2017.

241 Mr. Chen asked a question about enrollment numbers and projections.

242 Mr. Steel then discussed that Mr. Chen should be able to go through their numbers and come up  
243 with the same conclusion.

244 Superintendent Warburton asked Mr. Steel if these are typical for a School District based on his  
245 previous experience.

246 Mr. Steel replied, yes, it is very typical of the process and that it is important not to go  
247 backwards.

248 Mr. Maresco asked a question about zero based budgeting.

249 Mr. Steel then explained that first they start with the number of students that they have, what the  
250 students need and then build on that.

251 Ms. Mullens asked the Board if they had any other questions for Mr. Steel.

252 Mr. Howard Brown asked a question about student enrollment and if they are they from AMS or  
253 outside the District.

254 The Board thanked Principal Scully and Mr. Steel for their presentation.

255 B. Math Program Update

256 Ms. Christine Landwehrle, Director of Curriculum and Professional Development, introduced  
257 Ms. Ane Swift the SHS Math Coordinator.

258 She stated that they will be discussing the SHS Math Program Update.

259 Ms. Landwehrle then discussed the Math Curriculum Development and timeline for  
260 Implementation.

- 261 • 2008-2012 K-12 Math Program Review research, development, curriculum design and  
262 PD
- 263 • 2012-2013 Math Resource Review
- 264 • 2013-2014 Math Resource Pilot
- 265 • 2014-2015 Implement CPM (new resource) Core 1- Core 3
- 266 • 2015-2016 Implement CPM in Intro to Calculus

267 She noted that the acronym CPM stands for College Preparatory Math.

268 Ms. Ane Swift then discussed the Course Changes with the New Courses and the Topics from  
269 the Old Courses.

270 New Courses Topics- Old Courses

- 271 • Core 1-Math 1 and Math 2
- 272 • Core 2- Math 2 and Math 3
- 273 • Core 3-Math 3 and Pre-calculus



- 274           • Intro to Calculus- Pre-calculus and Calculus
- 275 Mr. Purvis asked a question about placement with new students.
- 276 Ms. Amy McGuigan introduced herself as the Instructional Math Coach and commented about  
277 Common Core being referred to as the Curriculum.
- 278 Ms. Landwehrle then discussed the Overview of Math Course Changes and reviewed the  
279 following topics:
- 280     • All students who enter Core 1 as freshmen are now able to experience a half a year of calculus  
281 by senior year.
- 282
- 283     • 34% of our students are currently enrolled in courses above grade level according to their  
284 newly aligned courses (already a half a course above).
- 285
- 286     • Multiple levels of interventions were designed for students below grade level
- 287         • Math Support
- 288         • Pre-Core 1 and Pre-Core II
- 289     • Less than 10% of our students are in courses below grade level.
- 290 Ms. Landwehrle noted that Ms. Ane Swift will review the Math Course Offerings chart.
- 291 Ms. Landwehrle then discussed the overview of Math SAT Results for March 2016.
- 292 She reviewed the Mean Score, Percent Meeting Grade 11 Benchmark, and Percent Meeting  
293 College and Career Ready Benchmark. She added the following numbers for Souhegan 541/68%  
294 and 52%.
- 295 She then noted the following numbers for New Hampshire 507/Number Not Available/ and 41%.
- 296 She added that they can't compare these results to prior tests. She then discussed the why this  
297 cannot be possible.
- 298 She added that the SAT is a different type of test.
- 299 She then discussed the following Interpretation topic points:
- 300     • In March, 52% of Juniors met the College and Career Ready Benchmark meaning that they  
301 could pass a credit bearing, college level math course this year.
- 302     • In March, 68% of Juniors met the Grade 11 Benchmark meaning that they are at or above grade  
303 level and are predicted to meet the College and Career Ready Benchmark during their senior  
304 year.
- 305     • SAT Benchmarks are higher in math (530) than in English (480) by design because not all  
306 colleges require all students to take a college level math class.
- 307 Mr. Purvis then asked a question about comparison in testing. He then asked if other schools will  
308 have to perform the same calculations.

- 309 Ms. Landwehrle, replied, yes, they will have to do so.
- 310 Mr. Maresco commented about the curriculum in place and that the students are coming in more  
311 prepared.
- 312 Mr. Chen commented about the SAT and the grade levels.
- 313 Ms. Landwehrle then discussed the different testing in the various grade levels.
- 314 Mr. Chen asked a question about the Smarter Balanced assessment. He then asked a question  
315 about proficiency at the different grade levels and how they are defined.
- 316 Ms. Landwehrle then discussed the Next Steps:
- 317 • Continue to collect data to evaluate our math program
  - 318 • Data points include:
    - 319 – NWEA Measures of Academic Progress – Grade 9 and 10 (data to be shared at  
320 November Board meeting)
    - 321 – Math Inventory - Grade 9 and 10
    - 322 – PSAT and SAT - Grade 11
    - 323 – Student and teacher surveys
    - 324 – PISA for program evaluation
  - 325 • Consider an external review of our math program at the end of next school year (year 4 of  
326 implementation)
- 327 Mr. Purvis asked Ms. Landwehrle what the acronym PISA stands for.
- 328 Ms. Landwehrle replied the acronym stands for Program for International Student Assessment.
- 329 Superintendent Warburton asked Ms. Landwehrle if she could discuss how many students will  
330 take the test.
- 331 Ms. Landwehrle replied, 85, 15 yr. olds. She then discussed they can opt out of taking it, if they  
332 so choose.
- 333 Principal Scully discussed that it is an audit of sorts and can give information internationally.
- 334 Mr. Chen asked what percentage of students opt to take a 4 year math program.
- 335 Mr. Purvis asked if they are making adjustments as necessary.
- 336 Ms. Landwehrle replied, yes, they are doing PD.
- 337 Ms. Swift added that they are in constant communication within the math department.
- 338 Ms. Mullens thanked Ms. Landwehrle and Ms. Swift for all of their work.
- 339 C. STEM Presentation
- 340 Ms. Landwehrle introduced Ms. Sue Downer as a SHS Science teacher and Coordinator.
- 341 Principal Scully then noted the research that they have been using as the following:

342 *National Research Council. (2011). Successful K-12 STEM Education: Identifying Effective*  
 343 *Approaches in Science, Technology, Engineering, and Mathematics. Committee on Highly*  
 344 *Successful Science Programs for K-12 Science Education. Board on Science Education and*  
 345 *Board on Testing and Assessment, Division of Behavioral and Social Sciences and Education.*  
 346 *Washington, DC: The National Academies Press.*

347 He then stated that STEM education is “*an interdisciplinary approach to learning where*  
 348 *rigorous academic concepts are coupled with real-world lessons as students apply science,*  
 349 *technology, engineering, and mathematics in contexts that make connections between school,*  
 350 *community, work, and the global enterprise enabling the development of STEM literacy and with*  
 351 *it the ability to compete in the new economy (Tsupros, 2009)”.*

352 Mr. Purvis asked a question on the research that was used.

353 Mr. Scully then reviewed the College/Career Objectives of STEM Education as:

- 354 1. Broad reform movement in the area of science, technology engineering and mathematics.
- 355 2. Seeks to cultivate a STEM-proficient workforce and a STEM-literate citizenry to  
 356 increase the US competitiveness in the global economy.
- 357 3. Aims to cultivate a deeper understanding of each subject through an emphasis on the  
 358 interrelated nature of science, technology, engineering, and math.

359 Ms. Downer then discussed what common characteristics of successful STEM programs are:

- 360 • Teachers with high capacity to teach in their discipline
  - 361 ○ ◦ Deep knowledge of subject matter
- 362 • Coherent standards and curriculum
  - 363 ○ ◦ focused on most important topics
  - 364 ○ ◦ articulated as a sequence of topics and performances
- 365 • Supportive system of assessment and accountability
  - 366 ○ ◦ shift away from multiple choice and towards complex performance  
 367 assessments
- 368 • High quality STEM learning opportunities /Connections to professional STEM  
 369 community
  - 370 ○ ◦ access to adequate laboratory facilities, resources and supplies

371 Mr. Chen then commented about the architectural design of the STEM Lab.

372 Ms. Downer then added that she has pictures to show later in the presentation.

373 Ms. Downer then discussed the PACE performance assessments.

374 Ms. Downer then discussed all of the different activities that SHS students are doing such as  
 375 counting fish for NH Fish and Game.

376 She then discussed the STEM Subjects and SHS Course Offerings.

- 377 ○ Science • Biology (SHS) • Chemistry (SHS) • Marine Biology (SHS) • Physics (SHS) •
- 378 Science (SHS) • Environmental Science\* (SHS)
- 379 ○ Technology • Computer/Information Systems (SHS) • Game Design (SHS) • Developer •
- 380 Web/Software Developer (SHS)
- 381 ○ Engineering • Chemical Engineering • Civil Engineering (SHS) • Computer Engineering
- 382 • Electrical/Electronic Engineering (SHS) • General Engineering (SHS) • Mechanical
- 383 Engineering (SHS)
- 384 ○ • Mathematics (SHS) • Statistics (SHS)

385 She then discussed the pictures that she had taken, and what activities the SHS students have  
 386 completed including studying hawks, forestry, getting published, vex robotics, coding, food  
 387 systems and engineering.

388 She then discussed the importance of the “A” in STEAM and adding in the Arts.

389 She then discussed how the Makerspace is needed for the students. She remarked that students  
 390 love building trebuchets and that in the past, had no place to build it due to inclement weather  
 391 conditions.

392 Ms. Downer then discussed the SHS STEAM and what they are learning such as:

- 393 ○ Interdisciplinary- Marine Bio, Environmental Science & Statistics , Calculus & Physics
- 394 ○ Integrated Lessons ○ Robotics, Engineering, Coding ○ Engineering, Math, Physics ○
- 395 Chemistry & Art ○ Calculus & Physics ○ Biology & Technology ○ Physics & Coding
- 396 ○ Aligned to NGSS ○ practices of science ○ cross cutting concepts ○ discipline core ideas
- 397 ○ Performance Based Assessment
- 398 ○ Real World Context ○ Ocean Health ○ Souhegan River health ○ Acid Spill Clean Up ○
- 399 Bridges ○ Energy Grids ○ Food Systems ○ Growing DNA ○ Crash Scene investigation
- 400 ○ Connections with School, Community and STEM Professionals ○ Speakers from Fishing
- 401 & Game, Mechanical Engineers, Cold Region Research ○ Internships, Shadow Days ○
- 402 Work with Amherst Conservation

403 Principal Scully then discussed continuing their work to support STEAM including doing a deep  
 404 dive into their existing curriculum to align to new standards and develop course level  
 405 competencies, STEAM Institute – Summer 2016, Visit to Windham High School – Summer  
 406 2016, Visit to Salem High School – Fall 2016, and to work or consult with experts in STEM  
 407 curriculum planning and development including, Mr. Dan Bisaccio, Director of Science  
 408 Education, Brown University, Mr. Justin Reich, Executive Director of the Teaching Systems  
 409 Lab, MIT and Mr. Denis Mires, The Architects.

410 Mr. Purvis asked a question about the architectural layout of the STEM Lab.

411 Mr. Scully noted that they are excited about STEM.

412 Mr. Chen asked a question about the differences in the types of labs that they have today.

413 Ms. Downer noted that the things that they have been teaching have changed.

414 Ms. Mullens then discussed that the trip to Windham HS might be helpful in seeing examples of  
415 STEM lab design.

416 Discussion ensued over flexible spaces.

417 Mr. Chen then commented on the type of courses that can be taught in the new STEM Lab.

418 Ms. Downer noted that they probably would not want to get into a biohazard or organic situation  
419 and that you have to protect your students. She added that the organic labs have fume hoods over  
420 each station.

421 Mr. Maresco commented that he had seen pictures showing STEM classrooms with  
422 Superintendent Warburton showing lab design.

423 Superintendent Warburton noted that the Windham HS visit is next Wednesday (10/12/16) at  
424 4pm.

425 Ms. Mullens thanked Mr. Warburton.

426 She added that the firm will hold two public forums and that she is not sure of the dates yet. She  
427 added that might be a good time to see the pictures.

428 Mr. Chen discussed coding and the different levels of coding.

429 Ms. Mullens noted that Ms. Landwehrle and Mr. Chen are both on the Advance Committee.

430 Mr. Chen added that it is a long term look ahead.

431 Discussion ensued over coding.

432 Ms. Mullens noted that she put it on the Future Agenda item as a possible coding presentation.

433  Streamline Committee Presentation

434 Superintendent Warburton then introduced the Streamline Committee. He then read the goal of  
435 the Committee as to “Consolidate processes and resources across the SAU to become a more  
436 efficient and effective school system”

437 He then added that the work that they have done is amazing and that they are here to present  
438 their findings.

439 Mr. Frank Brown, Chair of the Streamline Committee, added that this is a proposal and they  
440 have looked a number of alternatives. He added that he is looking for the Board’s concerns and  
441 their questions.

442 He then discussed the members that are on the Committee.

443 Frank Brown, Amherst Citizen, Streamline Committee Chair, Mike Akillian, Amherst Citizen  
444 Lisa Ambrosio, Finance Director, Town of Amherst, Meg Beauchamp, Director of Student  
445 Services, SAU 39, Ava Beaulieu, Amherst Citizen, Steve Coughlan, Souhegan Cooperative  
446 School Board, Amy Facey, Chair, Amherst School Board, Katie Hannan, Director of Finance,

447 SAU 39, Chris Janson, Amherst Citizen, Past Souhegan Board Member, Maggie McCabe,  
448 Amherst Citizen, John Quinlan, Vice Chair, Mont Vernon School Board, John Schuttinger,  
449 Principal, Mont Vernon Village School, Betty Shankel, Former SAU 39 Business Administrator,  
450 Adam Steel, Business Administrator, SAU 39, and Peter Warburton, Superintendent, SAU 39.

451 He then discussed the purpose of the presentation as the following:

- 452 1. Why are we looking at streamlining
- 453 2. Review the configuration identified for consideration
- 454 3. Outline the calendar to go forward to a vote in March '17
- 455 4. Seek your comments, questions, concerns

456 He then discussed the Environment. He noted that the school population is slowly shrinking here  
457 and across NH.

458 He then discussed the Population Profiles from the NH DOE Website.

459 Mr. Brown then noted the Status and Recommendation. He discussed that given the significant  
460 benefits associated with both the future student education experience as well as the  
461 Administration and management of the resources within the SAU that the Committee continues  
462 to recommend that the SAU move to a single school district model.

463 He then discussed the Financial Impact, and having a More Effective Education Environment.

464 He then discussed the overall calendar leading to a new District as the following:

- 465 1. Oct – Dec '16 – communicate, explain the proposal to voters
- 466 2. Jan-Feb '17 – proposed warrant article is part the discussion at information and  
467 deliberative sessions
- 468 3. Mar 17 – vote on warrant article
- 469 4. Apr '17 – Jun '18 – consolidate district planning committee appointed, in place, and  
470 starts work
- 471 5. July '18 - new district becomes operational for CY18-19

472 Mr. Brown then discussed how the new consolidated district gets approved. He noted that there  
473 would be a ballot on each of the three districts asking the voters to approve the formation of the  
474 single “Amherst/Mont Vernon District”.

475 He then discussed what the structure of the new consolidated District’s School Board and how it  
476 is elected. He noted that he is not sure if there are legal issues at this time.

477 He then discussed what will happen to the assets and liabilities of the consolidating districts. He  
478 then noted that they will have to find out the effective date of the consolidation.

479 He then reviewed what happens to the current teachers and contracts under one district. He added  
480 that they would go back to their existing contracts.

481 He then concluded and asked the Board if they have any questions or comments.

482 Mr. Purvis noted that they are working at an accelerated pace and that they are asking MV to  
483 give up their school.

484 Mr. Brown replied, no.

485 Mr. Purvis added that the MVVS will be a cooperative school. He then gave his suggestions for  
486 grades levels there and asked how it will work with bussing. He added that he is sure that they  
487 thought about those things.

488 Mr. Purvis then asked what prevents the bussing of the youngest students in the future.

489 Mr. Brown then discussed that they are still not sure what will happen in the future and that it is  
490 a tough decision.

491 Mr. Coughlan commented that MV has difficult decisions to make if the consolidation happens.

492 Mr. Howard Brown commented on the bussing.

493 Mr. Pete Maresco noted that he supports a unified district.

494 Ms. Mullens added that tonight was for additional questions or concerns.

495 Mr. Frank Brown added that he will be happy to answer any questions.

496 Ms. Mullens remarked that each district is going to lose some uniqueness and with Souhegan  
497 Cooperative School District that there is a lot of culture that goes with not being unionized.

498 She then added the lack of a union at SHS influences the culture at SHS.

499 Mr. Purvis commented that ASD has great teachers and provides great students to SHS.

500 The Board thanked Mr. Frank Brown for his presentation.

## 501 VI. INFORMATIONAL

### 502 A. PTSA Update

503 Moved to November Board Meeting.

### 504 B. Visit to Windham/Salem

505 Ms. Mullens discussed that the visit to Windham HS is on Wednesday, October 12<sup>th</sup> at 4pm. She  
506 then added that the Salem HS visit is to be announced by Principal Scully at a later date.

507 She noted that they will be looking at their STEM areas.

## 508 VII. DISCUSSION

### 509 A. Board Dynamics

510 Mr. Pete Maresco then discussed that he believes that there is a lack of Board activity and that  
511 decisions get put off.

512 He then discussed that he believes that coaches are still humiliating kids and that although great  
513 things are going on here not much is getting done. He added that they have been taking about  
514 things for a long time and things are not getting done.

515 Ms. Mullens discussed the agenda and that the STEM was brought up and it was not a quick  
516 answer.

517 Discussion ensued.

518 Mr. Chen then discussed that the Board lacks coming to a consolidated agreement.

519 He added that people should come with motions ready and they should do that more often. He  
520 added that it is his belief.

521 Ms. Mullens remarked that anyone can make a motion at any time, and it is a good idea. She  
522 added that if they could streamline it would be good.

523 Mr. Chen commented that they should start each topic with a question, and what are they trying  
524 to get to.

525 Discussion ensued.

526 Mr. Purvis commented that they are elected and the public does have a right to know what is  
527 going on.

528 He added that they have an obligation to keep the public informed and be clear. He added that he  
529 supports Mr. Chen's suggestion.

530 B. Security Camera Recommendation

531 Mr. David Chen discussed his concerns over the security cameras.

532 Discussion ensued.

533 Mr. Howard Brown added that they should make a motion to put a stake in the ground.

534 Mr. Purvis commented that it should be about safety and not just cameras.

535 Ms. Mullens added that there have been security audits and she does not think that Community  
536 Council should make decisions about security.

537 Discussion ensued about security cameras.

538 **The Souhegan Cooperative School District School Board is responsible for the security and**  
539 **safety of every student. Staff member, and visitor to its facilities. Mr. David Chen moved**  
540 **that the Board investigate the installation of security cameras as recommended by the**  
541 **SRO. All stakeholders be requested to provide their recommendations including the**  
542 **SRO/Law enforcement, Community Council, Staff, Students, and Administration. Mr. Pim**  
543 **Grondstra seconded the Motion. The vote was unanimous, Motion passed.**

544 C. Fall Forum



545 Ms. Mullens noted that the deadline to early registration for the Fall Forum is tomorrow. She  
 546 then discussed that it is about best practices in coalition schools. She added that it is set to take  
 547 place December, 1<sup>st</sup>-3<sup>rd</sup> 2016 in Providence RI.

#### 548 VIII. ACTION ITEMS

##### 549 A. George Mason University Field Trip

550 Mr. Pete Gagnon, Dean of Students, commented that he is going to discuss the proposed George  
 551 Mason University Field Trip. He remarked that it is coming up in early November.

552 He then discussed that the conference is for students involved in peer tutoring, specifically  
 553 around writing. He noted that this conference offers dozens of sessions and workshops geared  
 554 toward helping peer tutors improve skills as writing coaches, and also offers sessions on writing  
 555 center theory, management and marketing – all geared towards a student audience. He added that  
 556 it meets so many criteria, then stated that they will miss two hours of class time.

557 He then discussed that that there was a travel grant and it is a wonderful experience. He finalized  
 558 by stating that he strongly supports the trip.

559 Mr. Purvis asked if there is an itinerary.

560 He then added that there is an early morning flight to BWI from Manchester as a suggestion.

561 Ms. Mullens noted that they have to approve this tonight as November is getting closer.

562 Mr. Purvis added that he is thinking of other things and suggested that the trip would be a lot  
 563 cheaper without the hotel.

564 Mr. Grondstra commented that they should be concerned with class time missed not the cost.

565 Mr. Chen noted that it is a policy decision as long as it meets all the requirements.

566 **Mr. Dwayne Purvis made a Motion to approve the George Mason University Field Trip to**  
 567 **Virginia 2016. Mr. Steve Coughlan seconded the Motion. Mr. Steve Coughlan seconded the**  
 568 **Motion. The vote was unanimous, Motion passed.**

#### 569 IX. PUBLIC COMMENT

570 Ms. Maggie McCabe thanked the Board for the second Public Comment.

571 She then asked if the Board could do an estimate of the Cost per Pupil.

572 Mr. Adam Steel replied, yes, he can have it by the second draft of the Budget.

573 Ms. Lisa Eastland suggested making a plan about discussions.

574 Discussion ensued over security cameras and Community Council.

575 Ms. Eastland suggested for the Board to have a set plan in mind.

#### 576 X. FUTURE MEETING AGENDA ITEMS

577 Chair Mary Lou Mullens noted the following items for Future Meeting Agenda Items.

- 578 1. Coding Presentation
- 579 2. HYPE Student Presentation
- 580 3. Athletic Reports
- 581 4. Course Enrollment (Spring)
- 582 5. Statistics on students that do not get their course choices
- 583 6. Presentation on Curriculum Information
- 584 7. NEWA Presentation
- 585 8. Math Review (end of next year)

586 XII. REVIEW OF MEETING/ADJOURN

587 **Mr. Steve Coughlan made a Motion to adjourn the Meeting at 11:00 PM. Mr. Pim**  
588 **Grondstra seconded the Motion. The vote was unanimous, Motion passed.**