

NEW MILFORD BOARD OF EDUCATION  
New Milford Public Schools  
50 East Street  
New Milford, Connecticut 06776

COMMITTEE ON LEARNING  
SPECIAL MEETING NOTICE

**DATE:** November 20, 2014  
**TIME:** 6:00 PM  
**PLACE:** Lillis Administration Building – Room 2

AGENDA

New Milford Public Schools Mission Statement

The mission of the New Milford Public Schools, a collaborative partnership of students, educators, family, and community is to prepare each and every student to compete and excel in an ever-changing world, embrace challenges with vigor, respect and appreciate the worth of every human being, and contribute to society by providing effective instruction and dynamic curriculum, offering a wide range of valuable experiences, and inspiring students to pursue their dreams and aspirations.

1. CALL TO ORDER

2. PUBLIC COMMENT

The Board welcomes Public Participation and asks that speakers please limit their comments to three minutes. Speakers may offer objective comments of items on this agenda. The Board will not permit any expression of personal complaints or defamatory comments about Board of Education personnel and students, nor against any person connected with the New Milford Public School System.

3. DISCUSSION AND POSSIBLE ACTION

A. Review and Approval of Curriculum

1. Allied Health Careers
2. Health I

Mrs. Christine Benson, Mrs. Denise Duggan  
Mrs. Christine Benson, Mrs. Denise Duggan

B. Request for New Program or Course

1. Engineering Design and Development

Mr. Joshua Smith

C. Request for Course Revision

1. Academic Statistics

Mr. Joshua Smith

D. Five-Year Curriculum Plan (2014-2019)

Mr. Joshua Smith

4. ITEMS FOR INFORMATION AND DISCUSSION

A. Personal Finance Update

Mr. Joshua Smith

5. ADJOURN

**Sub-Committee Members:** Mr. David A. Lawson, Chairperson  
Mrs. Angela C. Chastain  
Mrs. Daniele Shook  
Mr. John W. Spatola

**Alternates:** Mr. Dave Littlefield  
Mr. David R. Shaffer

The Committee on Learning curriculum  
can be previewed in the  
Office of the Assistant Superintendent  
Lillis Administration Building – Room #6.

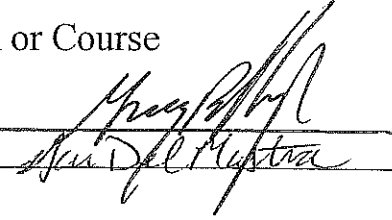
Office Hours: 8:00 a.m. – 4:00 p.m.

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## Requests for a New Program or Course

Signature of Principal: \_\_\_\_\_

Signature of Department Chair: \_\_\_\_\_



Date: October 8, 2014 \_

Title of Proposal: Capstone Course - Engineering Design and Development

Person(s) Submitting Proposal: Sara Del Mastro

Curriculum Area: Science \_\_\_\_\_

Number of Credits/Level: 1 credit / level

Prerequisite Courses:

Grades: 11-12

**1. Description of Program/Course: (What is it this course/program addresses? How does it relate to the Common Core? What other pertinent information about the proposal do you wish to share? (Use attachment if more space is needed.)**

The knowledge and skills students acquired throughout PLTW Engineering come together in EDD as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed throughout the PLTW course sequence to document a design process to standards, completing EDD ready to take on any post-secondary program or career.

Students will be required to use reading, writing, oral communication, and mathematics skills aligned to the Common Core State Standards. Students will also be fully engaged in inquiry based learning, supporting the Next Generation Science Standards. This course allows students to apply content and skills learned across disciplines to authentic, real-world projects.

**2. Describe the Current Situation and why the new proposal seems needed. Please also describe what alternatives were considered and what you believe are the advantages and disadvantages of the proposal (use attachment if more space is needed).**

Currently we offer four engineering courses but do not offer a culminating course where students can synthesize their knowledge from each of the courses in a capstone project. EDD would provide students this opportunity.

**3. Forecasted impact of change: (again, use an additional sheet if needed)**

A. Please describe the likely impact of change on the students intended to be directly served by the program/ course.

Juniors or seniors who meet the prerequisite courses would be eligible to take this course as a science elective.

B. Will it have impact on other students, if so how.

There may be a slight impact on other elective courses depending on the course selection of students. This may affect 20 students.

C. How will it affect students currently being served and are caught in a transition process? (If applicable)

This course will offer students currently enrolled in the PLTW program the opportunity to apply all that they have learned throughout the program in a culminating course. Students who have taken two credits of PLTW courses will be eligible to enroll in this course. It will also allow students to enroll in four years of engineering courses if interested.

D. What is the impact of this proposal on staffing?

There would be no impact on staffing as a result of this proposal. One of the current science department members will teach this course.

E. Are there scheduling implications associated with this proposal? If yes, detail those implications.

The overall number of sections of currently offered PLTW courses will be reduced by one. Enrollment numbers will determine which course will be reduced.

F. Are there space implications associated with the program/ course?

There are no space implications with this course. The course will be held in one of the current engineering rooms.

#### **4. What resources are required for the program?**

The only resources required for this course would be the consumable material for the student projects. The students would be utilizing the same equipment previously used in the prerequisite courses so additional equipment would not need to be purchased.

A. Is there a need for new technology? If so, explain.

New computers and software has already been purchased for the PLTW classrooms and labs. EDD students would utilize this technology so no additional technology would need to be purchased.

B. What current materials will need replacement?

All material and equipment has been purchased in the past three years so there is no replacement needed in the near future.

C. Are there staffing needs required because of the resources?

There is no new staff required to run this course.

D. Would there be specific needs for materials for SPED or for ELL?

Materials needed for accommodations would be based on the students enrolled in the course.

E. Is specialized training required for staff?

One member of the science department would need to attend training over the summer at the University of New Haven to become certified to teach this course.

5. Who will be involved in curriculum writing and when does one envision it will occur?

Curriculum is determined by PLTW. Members of the science department will review this curriculum and design more detailed plans during CLT time.

6. Develop a projected budget of impact costs for three years:

Description	Year 1	Year 2	Year 3	Total
Costs of Text	0.00	0.00	0.00	0.00
Supplies	1600.00	1100.00	1100.00	3800.00
Professional Development	2800.00	0.00	0.00	2800.00
Curriculum Writing	0.00	0.00	0.00	0.00
Staffing	0.00	0.00	0.00	0.00
Other (Identify)	0.00	0.00	0.00	0.00
Total	4400.00	1100.00	1100.00	6600.00

## Request for Course Revision

Signature of Principal: \_\_\_\_\_

Signature of Department Chair: \_\_\_\_\_

**Date:** October 24, 2014

**Title of Proposal:** Academic Statistics

**Person(s) Submitting Proposal:** Linda Scoralick

**Curriculum Area:** Math \_\_\_\_\_

**Number of Credits/Level:** 1 credit / Academic

**Prerequisite Courses:** Algebra 2

**Grades:** 10-12

1. Description of Program/Course: (What is it this course/program addresses? How does it relate to the Common Core? What other pertinent information about the proposal do you wish to share? (Use attachment if more space is needed.)

Academic Statistics is an academic course for students who have completed mathematics courses at least through Academic Algebra 2. The course is typically taken as an elective during senior year, but may be taken by students in other grades provided they have met the prerequisite requirements. Students are taught elementary statistical functions by hand, then are taught to use tables and appendices, and are finally taught to use technology, including graphing calculators. The course covers a variety of topics including data analysis, use of statistical formulas, and presentation of results. Probability is also covered extensively. Various types of graphs are constructed and analyzed.

2. Describe the Current Situation and why the new proposal seems needed. Please also describe what alternatives were considered and what you believe are the advantages and disadvantages of the proposal (use attachment if more space is needed).

Academic Statistics is currently offered as a one semester, half credit course. We are proposing to change this course to a full year, full credit course in order to help give students additional options to earn a fourth credit in mathematics, per graduation standards.

3. Forecasted impact of change: (again, use an additional sheet if needed)

A. Please describe the likely impact of change on the students intended to be directly served by the program/ course.

Students that sign up to take Academic Statistics would now take the course for a full year, instead of a half year. Currently, some students taking statistics balance this half year course with another course in the other semester. Other students balance the statistics course with a study hall. This may impact students wishing to take other half-year courses that might have balanced in the master schedule with the half-year statistics course. In all cases, changing Academic Statistics to a full year course will allow all students enrolled to earn another full credit in math before graduation, as opposed to the half credit currently being offered.

B. Will it have impact on other students, if so how.

There will be no impact on other students. Since we currently offer 4 ½ year sections and are proposing offering 2 full year sections, there won't be a need to decrease sections of another course to allow for this change. This means that Academic Statistics will not cause increased class sizes for other courses.

C. How will it affect students currently being served and are caught in a transition process? (If applicable)

There will be no students caught in transition. We are proposing to make this change for the start of the 2015-2016 school year.

D. What is the impact of this proposal on staffing?

None at this time. We currently offer 4 ½ year sections with an average class size of 14 students. We propose offering 2 full year sections with room for 25 students in each.

E. Are there scheduling implications associated with this proposal? If yes, detail those implications.

Yes. Some students balance Academic Statistics with another ½ year course in the same block during the alternative semester. This will no longer be possible and may require students to choose between Academic Statistics and another course. It may also result in students taking an additional ½ credit in their course load for the year if they are able to/choose to take both courses.

F. Are there space implications associated with the program/ course?

None at this time.

G. How might this impact other programs? (Example: Is a new elective likely to affect enrollment in other departments?)

Some students balance Academic Statistics with another ½ year course in the same block during the alternative semester. Making Academic Statistics a full year course could potentially decrease enrollment in courses for other departments if students decide not to take the additional half credit or if scheduling does not permit students to take both courses.

4. What resources are required for the program?

A. Is there a need for new technology? If so, explain.

No

B. What current materials will need replacement?

No. The current text books will be used.

C. Are there staffing needs required because of the resources?

No. Based on proposed changes we will move from 4 ½ year sections to 2 full year sections meaning that current staffing allocations will be sufficient.

D. Would there be specific needs for materials for SPED or for ELL?

No.

E. Is specialized training required for staff?

No.

5. Who will be involved in curriculum writing and when does one envision it will occur?

Deborah Murnan & Bill Knipple will develop the curriculum for this course during Summer 2015.

6. Develop a projected budget of impact costs for three years:

Description	Year 1	Year 2	Year 3	Total
Costs of Text	\$0	\$0	\$0	\$0
Supplies	\$0	\$0	\$0	\$0
Professional Development	\$0	\$0	\$0	\$0
Curriculum Writing	\$1210	\$0	\$0	\$0
Staffing	\$0	\$0	\$0	\$0
Other (Identify)	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0



**NOT BOARD  
APPROVED**

**Updated:: 11/19/14**

**New Milford Public Schools  
Office of the Assistant Superintendent  
Five-Year Curriculum Plan (2014-2019)**

Subject/Area	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
<p><b>Business &amp; Practical Arts/ Technology</b></p>	<p><b>Revise:</b> Accounting II College '07 AP Statistics '08 Business Law '05 Keyboarding Website Design I '07 Website Design II '07</p>	<p><b>Revise:</b> Accounting I '09 Accounting II '09 Adv. Auto CAD '09 AP Computer Programming</p> <p><u>Propose new Course/Elective:</u> "Personal Finance II"</p>	<p><b>Revise:</b> Arch. Drafting I '12 Basic Auto Cad '12 Business Computer App. '12 Intro to Programming '11 Marketing I '11 Marketing Work Program '12 Personal Finance I '11</p>	<p><b>Revise:</b> General Woodworking '13 Introd. Woodworking '13 Marketing II '13</p>	<p><b>Revise:</b> Arch. Drafting II '15 Arch. Drafting III '15 Introd. to Business '14</p>
<p><b>English/ Language Arts K-12</b></p>	<p><b>Revise:</b> Grades 2-3 Grades 4-6 Grades 7-8 English I, II, III &amp; IV AP Lit. &amp; Composition '07 Children's Literacy &amp; Literature '08 Humanities II '07 Journalism I '07 Journalism II '07 Modern &amp; Cont. Poetry '07 Public Speaking '08 Video Production '08</p>	<p><b>Revise:</b> Grades 2-3 Grades 4-6 Grades 7-8 English I, II, III &amp; IV Honors Advanced Creative Writing '08 American Studies Honors '09</p> <p><u>Propose new Course/Elective:</u> "English SAT Prep"</p>	<p><b>Revise:</b> AP Lang. &amp; Composition '11</p>	<p><b>Revise:</b> Creative Writing '13 Diverse Voices '13</p>	<p><b>Revise:</b> Drama Workshop '14 Humanities I '14 Writing Workshop '14 Science Fiction '15</p>
		<p><b>Estimated Cost: \$5,567</b></p>			
		<p><b>Estimated Cost: \$15,974</b></p>			

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Five-Year Curriculum Plan (2014-2019)**

Subject/Area	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
<p><b>Fine Arts K-12</b></p>	<p><b>Revise:</b> AP Studio Art AP Art History Design Foundations I '04 Design Foundations II '04 Honors Art History Studio Art '05</p>	<p><b>Revise:</b> K-3 Art '06 4-6 Art '06 Portfolio '09 Sculpture '09</p> <p><b>Estimated Cost: \$9,924</b></p>	<p><b>Revise:</b> Grade 8 Art '12 Ceramics I '11 Ceramics II '12</p>	<p><b>Revise:</b> Advertising Art &amp; Design '13 Crafts '13 Grade 7 Art '13</p>	<p><b>Revise:</b> Cuf, Paste &amp; Copy '14</p>
<p><b>Library Media K-12</b></p>		<p><b>Revise:</b> K-3 Library Media '09 4-6 Library Media '09 7-8 Library Media '09 9-12 Library Media '09</p> <p><b>Estimated Cost: \$4,840</b></p>			
<p><b>Mathematics K-12</b></p>	<p><b>Revise:</b> Introductory* Geometry '07 Introductory* Algebra '07 Algebra I '08 Practical Math I Practical Math II Pre-Calculus Honors '08</p> <p><u>Propose new</u> Course/Elective: "AP Pre-Calculus BC"</p> <p>*formerly Applied **formerly Elementary</p>	<p><b>Revise:</b> Grades 7-8 Algebra I Honors '09 Algebra II Honors '09 AP Statistics Integrated Math '09 Math SAT Prep Statistics '07</p> <p><b>Estimated Cost: \$9,197</b></p>	<p><b>Revise:</b> Algebra II '12 Algebra III '11 Calculus Honors '11 Geometry '12 Inter. Algebra II '12</p>	<p><b>Revise:</b> Adv. Algebra &amp; Trig. '13 Geometry Honors '13</p>	<p><b>Revise:</b> Grades K-6</p>

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**New Milford Public Schools  
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Subject/Area	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
<b>Music K-12</b>	<b>Revise:</b> Grades 9-12 Chorus Advanced Chorus 9-12 History of Am. Music Theater '97 History of Jazz '98 Music Appreciation '98 Music Theory	<b>Revise:</b> Grades K-3 Gen. Music '01 Grades 7-8 Inst. Music '07 Band Elec. Music Tech. '04 Orchestra Wind Ensemble Honors  <b>Estimated Cost: \$11,617</b>	<b>Revise:</b> Grade 7 Gen. Music '12 Grades 4-8 Choral Music '12		<b>Revise:</b> Grade 4-6 Inst. Music '14
<b>PE/Health K-12</b>	<b>Revise:</b> Health K-3 Health 4-6 PE Leader '08	<b>Revise:</b> Health K-3 Health 4-6 Child Development '11 Early Childhood '11	<b>Revise:</b> Grade 8 Health '12 Health II '12 PE I '12 PE II '12 Social & Emotional Thinking '12	<b>Revise:</b> EMT '13 Medical Technology '13 PE III & IV '13	<b>Revise:</b> Allied Health. Careers '14 Health I '14 Sports Medicine '15
<b>Science K-12</b>	<b>Revise:</b> AP Physics I Astronomy '06 Biology '07 Biology Honors '07 Chemistry Honors '06 Civil Engineering & Architecture (PLTW) Integrated Science**'06 Integrated Science* Honors '06 Physics '07 Physics Honors '07  *formerly Env. Earth Science	<b>Revise:</b> Grades K-3 Grades 4-6 Grades 7-8 Chemistry '08 Plant Science I '08 Plant Science II '08  Propose new <u>Course/Elective:</u> "AP Physics II" "Digital Electronics (PLTW)" "Engineering Design & Development (PLTW)" "Principles of Engineering" (PLTW)	<b>Revise:</b> Anat./Phys Honors I '09 Anat./Phys Honors II '09 AP Biology Forensic Science '09	<b>Revise:</b> AP Chemistry Ecology Spring '12 Ecology Fall '12 Introduction To Engineering Design(PLTW) '12 Exper. Chemistry '12	
		<b>Estimated Cost: \$17,184</b>			

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Subject/Area	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
<p><b>Social Studies K-12</b></p>	<p><b>Revise:</b> Grades K-3 Grades 4-6 Grades 7-8 Chinese Studies Honors '07 Forensic Psychology Modern America '05 Sociology '04 Dev. Western Civilization '98 Dev. Western Civilization Honors</p>	<p><b>Revise:</b> Grades K-3 Grades 4-6 Grades 7-8 Am. Studies Honors '09 AP Government AP World History Intellectual History Honors '09 US History '09 US History Honors '09</p> <p>Propose new Course/Elective: "AP Microeconomics"</p>	<p><b>Revise:</b> AP Psychology '12 AP US History Civics '12 Intro to Psychology '11 World History Honors Global Studies Honors</p>	<p><b>Revise:</b> Economics '12 Global Studies '12 Russian Studies Honors '12 History Through Film '13</p>	
<p><b>World Languages 7-12</b></p>	<p><b>Revise:</b> German III '05 German IV '05 Spanish III '07 Spanish IV '07</p>	<p><b>Revise:</b> French I '08 French II '08 German V AP Spanish V '07 Spanish V AP</p> <p><b>Estimated Cost: \$18,877</b></p>	<p><b>Revise:</b> French III '09 French IV '09 Spanish I '12 Spanish II '12</p>	<p><b>Revise:</b> German I '13 French V '11 French AP '12</p>	<p><b>Revise:</b> German II '15</p>
	<p><b>Estimated Cost: \$6,050</b></p>	<p><b>Estimated Cost: \$6,050</b></p>			
	<p><b>Total 2015-2016 Budget: \$109,637</b></p>				