

ENFIELD HIGH SCHOOL – ENRICO FERMI HIGH SCHOOL

SCHOOL REORGANIZATION TEMPLATES

**DECEMBER 22, 2011
5:30 – 8:30 PM**

5:30 Opening Comments
5:45 Visual Arts Department
6:00 English Department
6:15 Family and Consumer Sciences Department
6:30 Instrumental and Vocal Music Department
6:45 Health, P.E., and Teen Leadership Department
7:15 Reading Department
7:30 Social Studies Department
7:45 Special Education Department
8:00 World Language Department
8:15 Committee Questions

**JANUARY MEETING – Date TBD
5:30 – 8:30 PM**

5:30 Opening Comments
5:45 Business Department
6:00 Information and Technology Literacy
6:15 Library Media Center
6:30 Mathematics Department
7:00 Science Department
7:15 Technology Education Department
7:30 Guidance Department
7:45 Committee Questions and Wrap Up

Enfield – Fermi Consolidated High School

DEPARTMENT: Visual Arts Department

COURSES:	Rooms	**NEW COURSES **	Rooms
601 Visual Arts Skills I	Studio 2	Visual Communication Design	Studio 2
602 Visual Arts Skills II	Studio 2	Printmaking I	Studio 1
603 Ceramics Foundations I	Studio 3	Jewelry and Metalsmithing	Studio 1
604 Ceramics Foundations II	Studio 3	Advanced Wheel Throwing	Studio 3
605 Drawing I	Studio 4	Glass Design	Studio 1
606 Drawing II	Studio 4	Multi Media Design I	Computer lab
607 Painting I	Studio 1	Multi Media Design II	Computer lab
609 Painting II	Studio 1	Animation and Filmmaking	Computer lab
610 Sculpture	Studio 1		
611 Portfolio Preparation	Studio 4	Art History	Computer lab
613 Commercial Art and Illustration	Studio 4	AP Studio Art	Computer lab
614 Contemporary Photography Imaging	Computer lab		

ENROLLMENT PROJECTED:
1700 total

STAFFING PROJECTED:

NUMBER of STUDENTS: 950-1000 per year

NUMBER of TEACHERS: 5.5

NUMBER LAB/CLASSROOMS: 1

NUMBERS of STUDIOS: 4

TECHNOLOGIES: Description: Technology Arts

Rational: In order to provide students with 21st Century technology arts skills that are relevant for both college bound individuals and those students attempting to join today's workforce, we must provide students with the integration of authentic learning experiences that engage students in the comprehensive use of technology arts. These creative technology skills taught in the visual arts cross traditional lines between disciplines and curricula, therefore prepare students to master technology arts skills.

OTHER BUDGETARY PROJECTIONS: Updated equipment for both studio's and classroom/ Mac computer Lab
Studio's and classroom lab projection systems capabilities for access to web-based instructional resources

Sections: 56 sections per year

Enfield-Fermi Consolidated High School

<p>DEPARTMENT:</p>	<p>English</p>
<p>Courses:</p>	<p>Per program of studies-- list of course offerings, including (NN) new courses in sequence. Course numbers and titles as follows: ((NN) in front of title indicates a new course)</p> <p>List--</p> <p>English 9: 011, 012, 013</p> <p>English 10: 024, 025, 026</p> <p>(NN) English 11: (NN) 071 and 041, Level 1 American Literature and Critical Writing (NN) 071 and 057, Level 2 American Literature and Searching and Writing (NN) 072 and 058, Level 3 (average) American Authors and Searching and Writing (NN) 072 and 058, Level 3 (modified) American Authors and Searching and Writing (NN) AP Composition and Language</p> <p>(NN) Senior Elective Program: (NN) AP Composition and Literature 082 Uconn English 086 Reading and Writing for Literacy 061 British Literature 081 World Literature 074 Individual and Society 085 International Authors 062 Contemporary Authors becomes (NN) Level 3 Individual and Society 075 Sports Literature (NN) Women's Literature 050 Essential Writing for College and Career (NN) Level 2 Essential Writing for College and Career 044 Writing and the Media</p>

045 Writing and the Media

(NN) Open Enrollment Electives, 9-12:

087 Writing and Speaking becomes (NN) Public Speaking

(NN) Journalism

(NN) Creative Writing

(NN) Drama

(NN) Poetry

Courses:

eliminated courses-- attach printed version with rationale/reason for elimination

List-- 030 Reading and Writing Workshop

Enrollment Projected:

Students: 1700

Sections:

90 full year sections [20 per class avg.]

rem: enrollment by department

Staffing Projected:

Teachers:

19 [18 teachers plus Dept. Chair]

Facilities:

Classrooms: 19

Labs:

4 dedicated English-only computer labs plus 2 mobile laptop labs

Other:

Publishing space

Technologies:

Description:

Projection capabilities for access to web-based instructional materials

Upgrade and reconfiguration of existing computer labs

Student access to computers on a daily/regular basis - via laptops, tablets, or labs

Computers for creation and publication of student writing

Rationale:

A 21st century English program needs to include blogs, wikis, online publishing, etc...

Other Budgetary Projections:

Texts

11th grade English materials - McDougal Literature Grade 11

AP materials



Materials for new proposed courses: paperbacks, texts, media
Summer pay for development and revision of curriculum

Training

Construction

Enfield-Fermi Consolidated High School

12/16/2011

<u>DEPARTMENT:</u>	FACS	Family and Consumer Sciences
<u>Courses:</u>	Per program of studies-- list of course offerings, including (NN) new courses in sequence. Course numbers and titles as follows: ((NN) in front of title indicates a new course)	
800 UCONN INDIVIDUAL & FAMILY DEVELOPMENT	809 INDEPENDENT LIVING	
806 CULINARY ESSENTIALS	810 PARENTING & CHILD DEVELOPMENT	
807 FOOD & NUTRITION	811 CHILD DEVELOPMENT LAB (e: Offer both semesters, 1/2 cr. /term)	
NN CULINARY 2/COOPERATIVE WORK EDUCATION	812 FAMILY & SOCIETY	
NN OCCUPATIONAL CHILD CARE	813 INTERIOR DESIGN/HOUSING	
<u>Courses:</u>	eliminated courses-- attach printed version with rationale/reason for elimination 808 Career Planning Curriculum will be combined w/ 809; historically, demand for this course is low.	
<u>Enrollment Projected:</u>	# Students:	# Sections:
1700 total	800-1000/year	40 sections of 20-25 students/section
<u>Staffing Projected:</u>	# Teachers:	3 Teachers
<u>Facilities:</u>	# Classrooms:	3 Classrooms
	# Labs:	3 Labs [2 Foods labs; 1 Child Development lab]
<u>Technologies:</u>	Smart Board and mounted TV monitor/DVD unit in each classroom & child development lab.	
<u>Other Budgetary Projections:</u>	Texts:	New / upgraded textbooks and supplies to support the above curriculum.
	Training:	Technology training for Smart Board.
	Construction:	Construction of new facilities and purchase of new equipment and supplies.

Enfield-Fermi Consolidated High School

<u>DEPARTMENT:</u>	Music																														
<u>Courses:</u>	<p>Per program of studies-- list of course offerings, including (NN) new courses in sequence. Course numbers and titles as follows: ((NN) in front of title indicates a new course)</p> <p>Concert/Marching Band NN: Select Symphonic Band Chorus NN: Select Chorus Orchestra Jazz Class Piano Class NN: Piano 2 Class Guitar Class</p> <p>Introduction to Music Technology Digital Audio Editing/Recording Foundations of Music and Songwriting NN: World Drumming</p>																														
<u>Courses:</u>	<p>eliminated courses-- attach printed version with rationale/reason for elimination</p> <p>List-- Treble Chorus - replaced by Select Chorus</p>																														
<u>Enrollment Projected:</u>	<table border="0"> <thead> <tr> <th></th> <th># Students:</th> <th># Sections:</th> </tr> </thead> <tbody> <tr> <td>Concert/Marching Band</td> <td>100</td> <td>1 year</td> </tr> <tr> <td>Select Symphonic Band</td> <td>50</td> <td>1 year</td> </tr> <tr> <td>Chorus</td> <td>75</td> <td>1 year</td> </tr> <tr> <td>Select Chorus</td> <td>25</td> <td>1 year</td> </tr> <tr> <td>Orchestra</td> <td>50</td> <td>1 year</td> </tr> <tr> <td>Jazz Class</td> <td>50</td> <td>2 year</td> </tr> <tr> <td>Piano Class</td> <td>100</td> <td>4 semester</td> </tr> <tr> <td>Piano 2 Class</td> <td>25</td> <td>2 semester</td> </tr> <tr> <td>Guitar Class</td> <td>125</td> <td>5 semester</td> </tr> </tbody> </table>		# Students:	# Sections:	Concert/Marching Band	100	1 year	Select Symphonic Band	50	1 year	Chorus	75	1 year	Select Chorus	25	1 year	Orchestra	50	1 year	Jazz Class	50	2 year	Piano Class	100	4 semester	Piano 2 Class	25	2 semester	Guitar Class	125	5 semester
	# Students:	# Sections:																													
Concert/Marching Band	100	1 year																													
Select Symphonic Band	50	1 year																													
Chorus	75	1 year																													
Select Chorus	25	1 year																													
Orchestra	50	1 year																													
Jazz Class	50	2 year																													
Piano Class	100	4 semester																													
Piano 2 Class	25	2 semester																													
Guitar Class	125	5 semester																													

Intro to Music Tech	50		2	semester
Digital Audio Edit/Rec.	25		1	semester
Foundations of Music	25		1	semester
World Drumming	50		1	semester
1700 total	750			
<u>Staffing Projected:</u>	# Teachers:	3		
<u>Facilities:</u>	# Classrooms	2		
	# Labs:	1		
	# Other:			
<u>Technologies:</u>	Description:			
	Rationale:			
<u>Other Budgetary Projections:</u>	Texts			
	Training			
	Construction			Increase Music Tech Lab to 25 stations Need additional rehearsal room for at least 150 students. Auditorium needs to be enlarged for music performances

After-School Music Activities:

- Jazz Band
- Percussion Ensemble
- Winter Guard
- Jazz Choir
- Show Choir
- School Musical
- Audio Club
- Various Chamber Ensembles

Enfield-Fermi Consolidated High School

<u>DEPARTMENT:</u>	Physical Education and Health, Monday Dec.19 2011, AJ O'Brien Dept. Chair
<u>Courses:</u>	Per program of studies-- list of course offerings, including (NN) new courses in sequence. Course numbers and titles as follows: ((NN) in front of title indicates a new course) Same courses as before, 991,992,993 and 994 BOE approved curriculum. List-- NN= "Nutrition and Physical Activity" NN= "Physical Education Strategies" eliminated courses-- attach printed version with rationale/reason for elimination List--
<u>Enrollment Projected:</u>	# Students: rem: enrollment by department 1700 total 1700 81 PE/HE and 18 Teen Leadership=99 Sections 10.0 Faculty
<u>Staffing Projected:</u>	# Teachers: 10.0 Teachers
<u>Facilities:</u>	# Classrooms Need 4-6 Health Classrooms. Pool= 6 Lanes # Labs: Need 4 Teen Leadership Classrooms. # Other: Need 1 New Full Size Gymnasium, 1 New Wellness Room, Boys & Girls Lockers 1 New Cardio Fitness R Room and 1 New weight room , New PE/HE Offices for 10
<u>Technologies:</u>	Description: White Boards in each Health classroom. TV's/DVD's (wall mounted) in each of the Wellness Room, CardioFitness Room and in the Weight Room. Rationale:
<u>Other Budgetary Projections:</u>	Texts New Health books and supplies for 4-6 classes at a time. Nutrition and PE Activity books and supplies. Training PD for new curriculum, Dance, Aerobics, Zum and Cardio Fitness Room. Construction Construction of new facilities and purchase of new equipment and supplies.

Enfield-Fermi Consolidated High School

<u>DEPARTMENT:</u>	Reading
<u>Courses:</u>	Per program of studies-- list of course offerings, including (NN) new courses in sequence. Course numbers and titles as follows: ((NN) in front of title indicates a new course) List-- Word Analysis (0099A 5) Vocabulary (0099V 5) Comprehension (0099C 5) and (0099C 3)
<u>Courses:</u>	eliminated courses-- attach printed version with rationale/reason for elimination List-- Word Analysis (0099A 3) Vocabulary (0099V 3) CAPT (0099 5) and (0099 3)
<u>Enrollment Projected:</u>	# Students: rem: enrollment by department 1700 total Vocabulary (0099V) 70 students 1.14 sections Word Analysis (0099A) 30 students 10 sections Comprehension (0099C) 60 students 11 sections
<u>Staffing Projected:</u>	# Teachers: 6
<u>Facilities:</u>	# Classrooms 6 # Labs: 1 # Other:
<u>Technologies:</u>	Description: Read 180, Readingplus, or other similar program Rationale: New Literacies and Progress Monitoring
<u>Other Budgetary Projections:</u>	Texts Training Construction

Enfield-Fermi Consolidated High School

DEPARTMENT: Social Studies

Courses:

Per program of studies-- list of course offerings, including (NN) new courses in sequence.
Course numbers and titles as follows: ((NN) in front of title indicates a new course)

List--

The Social Studies Department is recommending an increase from 3 to 3.5 Social Studies credits as a graduation requirement.

GRADE 9: 404, 405 World History
(NN) World History-Honors

GRADE 10: 470, 471 Civics
(NN) Civics-Honors
407 Modern World History

GRADE 11: 415, 417 US History
416 AP US History

ELECTIVES: 438 Introduction to Psychology

440 Psychology

439 Sociology

454 Film Studies: The History of Film

455 Philosophy

465 Connecticut/Enfield History

467 Genocide

469 Law, Crime and Society

Cultural Geography

African American/Latino/Women's Studies

Economics

AP Government

AP European History

(NN)

(NN)

(NN)

(NN)

(NN)

<u>Courses:</u>	eliminated courses-- attach printed version with rationale/reason for elimination		
List--	No courses eliminated		
<u>Enrollment Projected:</u>	# Students:	# Sections:	rem: enrollment by department)
1700 total	1700	78 sections based on 20 students per course	
<u>Staffing Projected:</u>	# Teachers:	15 FTE plus 1 Department Chair	
<u>Facilities:</u>	# Classrooms	16 Classrooms	
	# Labs:	2 dedicated Social Studies computer labs with projector, internet access, and printer	
	# Other:	Department Office with Social Studies dedicated printer/copier	
<u>Technologies:</u>	Description:	Projector with computer hook up for web and audio/visual instructional capabilities White boards in all classrooms More complete teacher internet access Student e-mail accounts	
	Rationale:	Students and teachers need more access to more technology on a regular basis to accommodate the requirements of modern 21st century high school	
<u>Other Budgetary Projections:</u>	Texts	New textbooks and appropriate teaching materials would be required for new courses. Additional textbooks and materials may be required to accommodate and/or update current courses	
	Training	Advanced Placement training would be required for teachers of AP courses Ongoing professional development for teachers to remain current in the field	
	Construction		

Enfield-Fermi Consolidated High School

<u>DEPARTMENT:</u>	Special Education	<u>Co-taught/Collaborative Program</u>
<u>Courses:</u>	Courses as needed per PPT decision. That would likely include all required academic classes needed to meet graduation requirements. List--	
<u>Courses:</u>	Eliminated courses: List--	None
<u>Enrollment Projected:</u>	# Students: About 254 students # Sections: 38 co-taught classes rem: (enrollment by department) will be serviced	
1700 total		
<u>Staffing Projected:</u>	8 teachers	
<u>Facilities:</u>	# Classrooms None. General education classrooms will be used for the co-taught program. # Labs: Common working area for collaborative teachers to work in. # Other:	
<u>Technologies:</u>	Description:	8 Laptops, one for each teacher
	Rationale:	Teachers will need portability to access to TAC for grading and data input for SRBI/RTI as they travel throughout the school.
<u>Other Budgetary Projections:</u>	Texts Training Construction Additional Computers	

Enfield-Fermi Consolidated High School

<u>DEPARTMENT:</u>	Special Education	<u>Learning Center (Support) Classes</u>
<u>Courses:</u>	1 - Learning Center (Support) Class to supplement academic instruction, remediation of skill deficits and reinforce acquisition of study skills	
	List--	
<u>Courses:</u>	Eliminated courses:	None
	List--	
<u>Enrollment Projected:</u>	# Students: About 130-140	# Sections: 14 sections of support will be rem: (enrollment by department) required. Two per period.
1700 total	students will be serviced	
<u>Staffing Projected:</u>	# Teachers	3 teachers
<u>Facilities:</u>	# Classrooms	2 classrooms with 8 student computers with appropriate software to support academic instruction
	# Labs:	
	# Other:	
<u>Technologies:</u>	Description:	Teachers must have TAC access to all students, classlists, mark reporting, scheduling
	Rationale:	Needed to track student progress, access grades, and transcripts in order to appropriately plan and implement student IEP
<u>Other Budgetary Projections:</u>	Texts	
	Training	
	Construction	
	Additional Computers	

Enfield-Fermi Consolidated High School

<u>DEPARTMENT:</u>	Special Education	<i>Resource Room Instruction</i>
<u>Courses:</u>	Courses required to meet graduation requirements. 4 English, 3 Math, 3 Social Studies, 2 Science, Vocational Education	
<u>Courses:</u>	Eliminated courses:	None
<u>Enrollment Projected:</u>	# Students: About 70-80 students	# Sections: 10 Resource Room class sections rem: (enrollment by department) will be serviced will be required.
1700 total		
<u>Staffing Projected:</u>	# Teachers	2 teachers
<u>Facilities:</u>	# Classrooms	2 classrooms.
	# Labs:	
	# Other:	
<u>Technologies:</u>	Description:	2 Laptops for student use, one for each room
	Rationale:	
<u>Other Budgetary Projections:</u>	Texts	
	Training	
	Construction	
	Additional Computers	

Enfield-Fermi Consolidated High School

<u>DEPARTMENT:</u>	Special Education	<i>Severely Emotionally Disturbed</i>
<u>Courses:</u>	Courses as needed per PPT decision. That would likely include all required academic classes needed to meet graduation requirements. English, Math, Science, History, electives.	
	List--	
<u>Courses:</u>	Eliminated courses:	None
	List--	
<u>Enrollment Projected:</u>	# Students: 20-30	# Sections: 2
	Depending on the PPT recommendations, 20 to 30 students.	
	1700 total	rem: enrollment by department)
<u>Staffing Projected:</u>	2 teachers and 2 paraprofessionals .	
<u>Facilities:</u>	# Classrooms	2 classrooms will be needed. They should be located near restrooms, away from high traffic areas and where the students will not disrupt the orderly school environment.
	# Labs:	
	# Other:	
<u>Technologies:</u>	Description:	TV, VCR, DVD, white boards, in-focus projectors and at least four student computers per room. These are self contained classroom that the students will be in all day. They will need access computers to complete academic tasks such as research, vocational surveys and transition purposes.
	Rationale:	
<u>Other Budgetary Projection:</u>	Texts	
	Training	As needed for paraprofessionals.
	Construction	
	Additional Computers	8

Enfield-Fermi Consolidated High School

<u>DEPARTMENT:</u>	Special Education	<u>Adaptive Learning Program</u>
<u>Courses:</u>	Courses as needed per PPT decision. That would likely include all required academic classes needed to meet graduation requirements. List--	
<u>Courses:</u>	Eliminated courses: List--	None
<u>Enrollment Projected:</u>	# Students:	# Sections: 1 rem: enrollment by department
1700 total	2011 - 6 2012 - 9 2013 - 9 2014 - 9 2015 - 9	
<u>Staffing Projected:</u>	1 teacher and 3-5 paraprofessionals per PPT recommendation.	
<u>Facilities:</u>	# Classrooms # Labs # Other:	1 classroom will be needed along with a treatment room for PT, OT services to be delivered. A storage room will be needed for the equipment such as a stander, hoyer lift, PT mats, tricycles and other adaptive equipment that the students may require. The room should be located near the nurse's office and restrooms for toileting of students.
<u>Technologies:</u>	Description: Rationale:	Touch screen computers to accommodate required adaptive software, TV, VCR, DVD, Ipad, touch talker and other individualized equipment as specified in the IEP.
<u>Other Budgetary Projections:</u>	Texts Training Construction Additional Computers	As needed for paraprofessionals and technology inservice per IEP.

Enfield-Fermi Consolidated High School

<u>DEPARTMENT:</u>	Special Education	<u>Autism Spectrum Disorders</u>
<u>Courses:</u>	Courses as needed per PPT decision. That would likely include all required academic classes needed to meet graduation requirements. List--	
<u>Courses:</u>	Eliminated courses: None List-- English, 0931/0932/0933/0934; Math 0941/0942/0943; Science 0950/0951; Social Studies 0960/0961/0962/0962	
<u>Enrollment Projected:</u>	# Students: 2015- 4	# Sections: 1 rem: enrollment by department)
1700 total		
<u>Staffing Projected:</u>	1 teacher and 1-2 paraprofessionals as determined by PPT	
<u>Facilities:</u>	# Classrooms # Labs: # Other:	1 classroom needed to include storage for materials and equipment to meet the IEP requirements; location near nurses office and rest room.
<u>Technologies:</u>	Description: Rationale:	Touch screen computers to accommodate required adaptive software, TV, VCR, DVD, Ipad, touch talker and other individualized equipment as specified in the IEP.
<u>Other Budgetary Projections:</u>	Texts Training Construction Additional Computers	As needed for paraprofessionals and technology inservice per IEP.

Enfield-Fermi Consolidated High School

<u>DEPARTMENT:</u> Special Education		<u>School Social Workers</u>	
<u>Courses:</u>	Services: Provide social work services to students with disabilities and meet IEP goals and objectives. No courses are required.	List--	
<u>Courses:</u>	Eliminated courses: None	List--	
<u>Enrollment Projected:</u>	# Students: 184	# Sections:	rem: (enrollment by department)
1700 total			
<u>Staffing Projected:</u>	# Teachers	4.5 social workers	
<u>Facilities:</u>	# Classrooms	4 offices (sound proof)	
	# Labs:		
	# Other:		
<u>Technologies:</u>	Description:	4 computers, one for each social worker	
	Rationale:		
<u>Other Budgetary Projections:</u>	Texts		
	Training		
	Construction		
	Additional Computers		

Enfield-Fermi Consolidated High School

<u>DEPARTMENT:</u>	Special Education	<u>School Psychologists</u>
<u>Courses:</u>	Services: Psychoeducational evaluations by referral, triennial evaluation requirements and consultations	
	List--	
<u>Courses:</u>	Eliminated courses: None	
	List--	
<u>Enrollment Projected:</u>	# Students: 1700 students	# Sections: rem: (enrollment by department)
1700 total		
<u>Staffing Projected:</u>	# Teachers	3 Psychologists
<u>Facilities:</u>	# Classrooms	3 offices (sound proof)
	# Labs:	
	# Other:	
<u>Technologies:</u>	Description:	3 computers, one for each psychologist
	Rationale:	Specialized software for scoring and interpreting tests
<u>Other Budgetary Projections:</u>	Texts	
	Training	
	Construction	
	Additional Computers	

Enfield –Fermi High School Consolidation Dec. 9, 2011

World Language Dept.

Courses: list of offerings per program of studies including new courses -Courses will be renamed to match level of book. JFK courses will be renamed French 1A/French 1B and Spanish 1A and Spanish 1B upon adoption of new language program in both languages.

310 French 1
311 French 2 Honors
312 French 2
321 French 3 Pre-AP
322 French 3
332 French 4 Pre-AP
341 French 5 ECE/AP
350 Spanish 1
351 Spanish 2 Honors
352 Spanish 2
361 Spanish 3 Pre-AP
362 Spanish 3
371 Spanish 4 Pre-AP
372 Spanish 4
391 Spanish 5 ECE/AP

Add:

NN Spanish Transition (for students entering from 1 year M.S. language)
NN French Transition (for students entering from 1 year M.S. language)
NN Spanish 5 Spanish for Careers (382)

To be introduced with new 2 year language requirement to meet needs of all students

NN Spanish 1 General Conversation
NN Spanish 2 General Conversation
NN French 1 General Conversation
NN French 2 General Conversation

Return Latin Program: to help to improve SAT scores and to provide an option for language study that does not include oral proficiency.

Courses: list of courses to be eliminated – None

However, a renaming of the courses to reflect the 7th and 8th grade to be Spanish 1A and Spanish 1B and French 1A and French 1B. Rationale is that the textbook program completes one half of the

level I text in 7th grade, and the second half of the level I book in grade 8. Upon entering high school the course should be the same number as the level book used II.

Projected enrollment:

1700 opening-

WL students, estimate 68% = 1156 students

#sections = 57.6 full year sections to include .6 dept. chair

Staffing projected: # teachers 12 to include one dept. chair

In anticipation of PA 10-111 graduation requirement starting in 2018, to include a 2 year WL requirement, there are two projections:

First - 100% 16 teachers. If the board grants credit for 1 year A/B sequence in middle school completing 1 year's course work to fulfill one year of the language requirement then the projection would be 14 teachers starting in 2016.

Facilities Classrooms/labs: Opening projection: 12 classrooms with a dedicated language lab
With the new requirements 13-15 classrooms (depending if JFK students studying both years can meet one year of the WL graduation requirement.)

Technologies: Description/ Rationale:

Dedicated Language lab using the Sony Virtuoso Major Laboratory system

Rationale: In order to deliver the curriculum in all four skill areas, the department is severely lacking in technology support – i.e. Smart boards, LCD projectors in all rooms, dedicated language lab to effectively assess skill listening and speaking skills and to be able to access textbook on line components easily, internet connections easily, appropriate sites, etc. Most critical is to better utilize instructional time, to be better able to assess oral and listening proficiency frequently, to improve speaking and listening comprehension proficiency achievement, test scores, and to have the ability to store a complete portfolio to include all 4 skill components. This lab is teacher directed and controlled. This is the most effective tool available to help improve all aspects of language proficiency.

Other budgetary Projections Texts/Training/Construction:

New textbook program is currently being selected for French/Spanish

Additional staffing

In-service training for Vertical Teaming (Pre-AP)

Curriculum revision ongoing

Return Latin Program

Addition of another modern language

Enfield-Fermi Consolidated High School

<u>DEPARTMENT:</u> Business Department	
<u>Courses:</u>	Per program of studies-- list of course offerings, including (NN) new courses in sequence.
500 Business Concepts & Careers	530 Accounting 1 567 Marketing 1 573 MS Office \WD,EX,PP
526 Personal Finance	531 Accounting 2 568 Marketing 2 (NN) 574 MS Office Pub.&Acc
527 Business Law 1	535 Economics 569 CWE
528 Business Law 2	537 Business Management 572 Intro to MS Office
<u>Courses:</u>	eliminated courses-- attach printed version with rationale/reason for elimination
List--	502 Business Math 1
	503 Business Math 2
	All students will be required to take Algebra 1, Geometry, and Algebra 2.
<u>Enrollment Projected:</u>	# Students: Half year rem: enrollment by department
1700 total	1150/year 46 sections of 25 students per section Elective classes
<u>Staffing Projected:</u>	# Teachers: 5 teachers (including one department chairperson)
<u>Facilities:</u>	# Classrooms 5 Classrooms: if classes have tablets
	# Labs: If no tablets, 4 rooms would be Business Dept. computer labs with 1 classroom
	# Other: School Store
<u>Technologies:</u>	Description: Tablets for all students and teachers or update the computers and software in the Business computer labs.
	Rationale: Tablets are a 21st century learning tool. Updating textbooks online is efficient and cost effective. Computers and software must be updated on a regular basis.
<u>Other Budgetary Projections:</u>	Texts If no tablets, we would need textbooks in Business Law, Business Management Economics, and Marketing.
	Construction Add central air conditioning to the computer rooms and School Store.
	Other The School Store will also need an up-grade in electrical power We recommend that two courses be required (Intro to MS Office and Personal Finance). A UCONN Economics course is also under development.

Enfield-Fermi Consolidated High School

Instruction/Embedded Curriculum

Information and Technology Literacy Instruction

The Computer Technology and Library Media Specialists need to continue to design and deliver integrated instructional material that embeds Information Literacy and Technology skills into the common core curriculum areas collaboratively with classroom teachers. An information literate person must be able to recognize when information is needed and have the ability to locate, evaluate, and use effectively the needed information. Information literacy cannot stand alone; rather it must be integrated into the academic curriculum as an integral part of the learning process.

Beginning with their collaborative 2009 Professional Learning Plans (PLP), the Computer Technology and Library Media specialists at Enrico Fermi High school formed a data team to investigate best practices to infuse Information and Technology Literacy instructions into the curriculum. They developed "assured experiences" that provided all students with guaranteed learning opportunities to meet the State of Connecticut Standards in Information and Technology Literacy skills as part of an authentic experience in a specific subject content area.

Computer Lab Orientation provide freshmen with an opportunity to work with the Computer Technology Specialist while completing activity in Science classes. This activity provides the students with opportunity to practice using the school network and software with a successful outcome.

Staffing

In order to ensure that students are effective and efficient users of ideas and information literacy competencies the Specialist need to be able to continue to deliver the "assured experiences" they developed collaborative with classroom teachers. In order for these integrated instructional programs to continue when the schools combine there must be sufficient staffing resources to:

- continue to investigate best practices for Information and Technology Literacy instruction
- administered pretest to acquire sample data showing ninth grade information literacy skill levels
- evaluated student performance and identified identify strengths and weaknesses in the information-seeking skills of our students
- determined implementation strategies for the information literacy curriculum
- systematically develop and consistently deliver an integrated information literacy curriculum
- ensure the Information and Technology Literacy curriculum continued to be delivered as part of our "assured experiences" developed collaborative with classroom teachers.
- Implement a consistent, school-wide research process embedded in the classroom curriculum

Today we are witnessing an unprecedented explosion of information and knowledge. The sheer abundance of information will not in itself create a more informed citizen without a complementary cluster of abilities necessary to use information effectively. The Computer Technology staffing requirements needs must be considered in order to continue to provide our staff and students with:

- systematic integration of instructional activities that promote Computer and Technology Literacy achievement
- support in the classroom setting with class activities by helping in the design and implementation of instruction using computer technology to meet the needs of the staff and students
- maintaining user accounts on network servers (e.g. authorization, access, passwords, etc.) for the purpose of regulating access to files and folders

Staffing (continued)

- training for school staff on a variety of software applications and hardware operations (e.g. email, student grading, word processing, spread sheet applications, etc.) for the purpose of providing ongoing support and maximizing the capabilities of assigned staff
- assessing malfunctions of computer and software applications for the purpose of identifying repair and replacement needs
- teaming with the IT network and technology support personnel to maintaining computer hardware and software; providing technical support to administrators, staff and students; and resolving school operational issues.
- assisting other personnel as may be required for the purpose of contributing to the efficiency and effectiveness of the work unit

Since the combined school will have a population of more than fifteen hundred students the current staff at both schools would be the minimum requirement to continue to provide the staff and students with activities that will help them meet the State of Connecticut Standards in Information and Technology Literacy skills.

Space/Facilities

Technology is everywhere. With proper planning and furnishings, "Smart" classrooms and computer labs can become show places, demonstrating a school's vision and commitment to advanced technological learning environments. We need to think outside the box. There is no good reason to design computer labs that are based on outdated models that are too much like the computer labs from the 90's. When designing our future computer labs in mind they must be designed with flexibility in mind to allow for the rapidly changing world of information. The focus should be on future learning needs that result from emerging technologies, curricular changes, and new organizational patterns rather than on structural requirements and code compliance. Some of the ideas that need to consideration when designing the labs are:

Designing flexible spacing and capacity

- Based on Learning Activities
 - Support multiple modes of learning by having computer labs adapt to multiple uses
 - Conducive to inquiry, study, independent use
- Physical arrangement
 - Flexibility of space
 - Flexible lab areas should include movable workstations
 - Space should be easily reconfigurable in a short period of time for group and individual work
 - Without losing power, networking and so forth
 - A central work area for faculty will command a dramatic view of the entire teaching space.
- Comfort, safety, and functionality
 - Provide students with adequate functional work space
 - Overhead and slide projectors, DVD players, television sets should disappear and be replaced by integrated multimedia systems
 - Fully accessible
 - Include space for storage
 - Even with available wireless environments at school convenient access to power remains critical due to demands on battery power for wireless laptops and other devices

Computer labs must be designed as flexible multiuse adjustable design to accommodate today's program while expanding our vision of tomorrow. Computer labs should interact with technology as a "socket". The appropriate technology could be plugged-in when needed and would always maintain a low profile.

Future Needs

The missing technological element is true one-to-one computing, in which each student has a device he or she can work on, keep, customize, and take home. For true technological advance to occur, the computers must be personal to each learner. When used properly and well for education, these computers become extensions of the students' personal self and brain.

Providing up-to-date technology and software will be the major focus of the future requirements of the computer labs at the combined high school.

Enfield-Fermi Consolidated High School

Department: Library Media Center

Instruction/Embedded Curriculum (Courses)

Information and Technology Literacy Instruction

The School Library Media and Computer Technology specialists need to be able to continue to design and implement integrated *Information and Technology Literacy* instructional programs collaboratively with classroom teachers.

Learning to locate and use information effectively is an integral part of every subject taught; therefore, the information curriculum cannot be isolated or separated from ongoing classroom curricula.

Beginning with their 2009 Professional Learning Plans (PLP), the Enrico Fermi High School Library Media and Computer Technology specialists formed a data team to investigate best practices to ensure that the State of Connecticut *Information and Technology Literacy Frameworks* instruction would be consistently delivered to all students at Enrico Fermi High School.

When the schools are combined it is critical to continue the systematic integration of Information Literacy skills as students work throughout the year on subject specific, year long, cumulative research projects. There must be sufficient resources to:

- continue to explore best practices for *Information and Technology Literacy* instruction
- administer standardized pretest to acquire sample data showing ninth grade information literacy skill levels
- evaluate student performance and identify knowledge gaps
- determine implementation strategies for the information literacy curriculum
- systematically develop and consistently deliver an integrated information literacy curriculum
- ensure that the information curriculum not be isolated or separated from the subject areas
- implement a consistent, school-wide research process in collaboration with classroom teachers

Freshman Orientation

A positive introduction to the Library Media Center (LMC) and LMC staff must be educational and student-centered. The orientation is designed as an "active learning" opportunity to increase student understanding of the organization and policies of the LMC and provide practice locating and accessing information using print and electronic resources.

Project-Specific Instruction/ Resources

LMC Staff designs and provides a variety of project specific individual and classroom instructional activities/resources throughout the year. These include (but are not limited to): PowerPoint presentations on specific databases, book lists, handouts, reserve carts, computer assistance, individual database instruction, book talks, reading guidance and literature appreciation.

Staffing

In order to meet the increasingly complex and the ever-changing information technology needs of students and staff, the Library Media, Clerical, and Computer Technology staffing must be examined.

- Sufficient staff must be available to identify, evaluate and select information resources online as well as curriculum-specific print materials and age-appropriate reading materials for the LMC.
- Research shows that optimum staffing for high schools of more than 1500 students should include at least two full time certified Library Media Specialists and two full time Library Assistants. <http://dougj.pbworks.com/w/page/18142589/State-staffing-requirements>

Since the combined school population will exceed fifteen hundred, this level of staffing, in addition to the current two Computer Technology Specialist positions, is the minimum required to provide the instruction and support to achieve the State of Connecticut Information Literacy Standards.

Facilities

The Enfield High School Library opened in May of 2004 after 18 months of construction. The approximately 8000 square foot space was originally designed to accommodate a maximum school enrollment of 1000 students.

The current LMC space needs to be evaluated and possibly reconfigured to ensure that the rapidly changing Information Technology instructional needs of the 1700 student population are met. A Zone Plan and Furniture Plan that would allow flexible and functional arrangements for teaching and learning will be necessary. In addition, more shelving will be needed to house the combined print collections of the two high schools.

Technology

Providing up-to-date technology will be the major focus of the future requirements of the LMC.

One critical need is to upgrade the online Catalogue and Circulation system. The current system is the outdated Winnebago Spectrum version 5.3. It has not been upgraded since 2003, and limited technical support is available.

The number and types of resources available to users online is going to continue to increase; therefore, there will need to be enough computers available for classes and study hall students who come to the LMC. In addition, new educational technologies (both hardware and software), continue to become available and more cost effective. As the project moves forward, all available technology options should be investigated and included as needed.

Enfield-Fermi Consolidated High SchoolDEPARTMENT: MathematicsCourses:

Per program of studies-- list of course offerings, including (NN) new courses in sequence.

Course numbers and titles as follows: ((NN) in front of title indicates a new course)

List-- 01003/01005 Fundamental Math 1

NN Fundamental Math 2

110 Integrated Practical Math

113 Algebra 1

121 Geometry Honors

122 Geometry

123 Geometry

2122 Block Geometry

2.123 Block Algebra 2

131 Algebra 2 Honors

132 Algebra 2

133 Algebra 2

135 SAT Math

136 Elementary Functions (renamed)

141 Computer Programming 1

142 Computer Programming 2

NN Computer Programming 3

NN Computer Programming 4

150 Statistics and Probability

152 UCONN/AP Statistics and Probability

154 Pre Calculus Honors

155 Pre Calculus

160 Calculus

161 AP Calculus AB

Courses:

eliminated courses-- attach printed version with rationale/reason for elimination

List-- N/A

<u>Enrollment Projected:</u> 1700 total	# Students: 1700	# Sections: 83 (21 per class avg)	rem: enrollment by department
<u>Staffing Projected:</u>	# Teachers: 17 in the Math Department (16 Teachers, 1 Math Department Chair)		
<u>Facilities:</u>	# Classrooms 17 Classrooms # Labs: 2 Computer labs with installed Math software plus one mobile laptop lab # Other: Math Workroom/Department Chair Office		
<u>Technologies:</u>	Description: Mounted Projector in each room Increase in teacher internet access Math specific software with record keeping ability for on-going differentiated instruction Student access to computers on a daily/regular basis - via laptops, tablets, or lab HoverCam in each room		
	Rationale: As "digital natives", twenty-first century students are most comfortable/receptive to modeling/instruction in electronic format. This format also allows for greater flexibility in reteaching and/or reviewing course content, and in providing needed information to address student absenteeism. Increased and appropriate internet access allows for modeling/instruction with live data and current, local, and/or relevant applications. Math specific software with record keeping ability provides for on-going differentiated instruction and individualized Student Success Plans. Mobile interactive whiteboards provide immediate feedback and formative information to guide instruction.		
<u>Other Budgetary Projections:</u>	Texts		New texts with on-line (digital) capabilities for Common Core for Geometry and Algebra 2 New texts with on-line (digital) capabilities for PreCalculus, AP Statistics and Probability On-line (digital) textbooks for all courses.
	Training		Differentiated Instruction for Secondary Math
	Construction		N/A
	LMC		Longer hours with the aid covering the facility later in the day.

ENFIELD-FERMI CONSOLIDATED HIGH SCHOOLDEPARTMENT: SCIENCE

COURSES: Per program of studies- list of course offerings in sequence, including new course proposals:

TITLE	COURSE #	PROPOSED COURSES:
Integrated Physical Science	200	AP/UCONN Environmental Science
Integrated Physical Science	201	Astronomy ½ year
Earth Science	204	Oceanography/Meteorology ½ year
Biology	211	Forensics ½ year
Biology	212	Sports Science/Nutrition ½ year
Biology	213	Science Through Film ½ year
Chemistry	221	Go Green/ Energy Systems ½ year
Physics	231	Pathway to Careers/ Intro to Medical Fields ½ yr.
Anatomy and Physiology	262	How Stuff Works ½ year
ECE/UCONN Biology	296	Science Through Film ½ year
ECE/ UCONN/AP Chemistry	297	Contemporary Science Issues ½ year
ECE/UCONN Physics	298	

- Proposal for increase in credit for lab courses from 1 credit to 1.25 credits (for time in actual class)
- Proposal for increase in credit for double lab courses to increase from 1 credit to 1.5 credits (for time in actual class)

Courses: No courses to be eliminated

Enrollment Projected:

# of Students	Sections	rem : enrollment by department
1700	82.3	1,646

Graduation requirements: Science requirements for graduation will increase by 2014 from two to three science credits which includes a Lab science credit. This is based on the Connecticut Secondary School Reform Plan.

Staffing Projected:

18.3 FTE (82.3 sections @ 4.5 classes per teacher due to lab courses)

Facilities: 18 classrooms/labs in the following content areas:

- IPS
- Earth Science
- Biology
- Chemistry
- Physics
- Anatomy and Physiology
- AP Biology
- AP Chemistry
- AP Physics
- Science Faculty Planning room
- Preparation rooms
- Storage around perimeter of lab
- Storage rooms/ equipment and chemical storage rooms
- Lab stations, appropriate fixtures for gas jets, waste storage , water/deep sinks/ appropriate electrical outlets

Rationale: Classroom and lab updates are needed to meet the safety requirements recommended by the Connecticut High School Science Safety Prudent Practices and Regulations.

Technologies:

Description: All classes: Overhead mounted in focus projector and smart board technology, electricity for equipment, computer lab stations, Classroom set of lap tops with Probe Ware
Computer lab

Rationale: Classroom updates are needed to provide students opportunities with modern equipment, data collection and green technologies.

Other Budgetary Projections: Texts: for new courses: AP Environmental Science AP
Forensics

Career Pathways for Medical Sciences
Sports Science/ Nutrition

Training: Professional Development and summer Training for new courses.

Enfield-Fermi Consolidated High School

<u>DEPARTMENT:</u>																																					
Technology Education																																					
<u>Courses:</u>	Per program of studies-- list of course offerings, including (NN) new courses in sequence. Course numbers and titles as follows: ((NN) in front of title indicates a new course)																																				
List--	<table border="0"> <tr> <td>Graphic Arts 1</td> <td>701</td> <td>Home Repair</td> <td>751</td> </tr> <tr> <td>Graphic Arts 2</td> <td>702</td> <td>Materials Processing Science and Tech.</td> <td>761</td> </tr> <tr> <td>Photography</td> <td>708</td> <td>Automotive 1</td> <td>772</td> </tr> <tr> <td>Drafting Technology</td> <td>711</td> <td>Automotive 2</td> <td>774</td> </tr> <tr> <td>Computer Drafting - Architectural</td> <td>712</td> <td>NN - Computer Science (CS)</td> <td></td> </tr> <tr> <td>Computer Drafting - Mechanical</td> <td>713</td> <td>NN - Introduction to Engineering Design</td> <td>790</td> </tr> <tr> <td>Wood Technology</td> <td>731</td> <td>NN - Principles of Engineering</td> <td>791</td> </tr> <tr> <td>Wood Technology 2</td> <td>732</td> <td>NN - Digital Electronics</td> <td>792</td> </tr> <tr> <td>Basic Electricity/Electronics</td> <td>741</td> <td>NN -Eng. Design and Development</td> <td>793</td> </tr> </table>	Graphic Arts 1	701	Home Repair	751	Graphic Arts 2	702	Materials Processing Science and Tech.	761	Photography	708	Automotive 1	772	Drafting Technology	711	Automotive 2	774	Computer Drafting - Architectural	712	NN - Computer Science (CS)		Computer Drafting - Mechanical	713	NN - Introduction to Engineering Design	790	Wood Technology	731	NN - Principles of Engineering	791	Wood Technology 2	732	NN - Digital Electronics	792	Basic Electricity/Electronics	741	NN -Eng. Design and Development	793
Graphic Arts 1	701	Home Repair	751																																		
Graphic Arts 2	702	Materials Processing Science and Tech.	761																																		
Photography	708	Automotive 1	772																																		
Drafting Technology	711	Automotive 2	774																																		
Computer Drafting - Architectural	712	NN - Computer Science (CS)																																			
Computer Drafting - Mechanical	713	NN - Introduction to Engineering Design	790																																		
Wood Technology	731	NN - Principles of Engineering	791																																		
Wood Technology 2	732	NN - Digital Electronics	792																																		
Basic Electricity/Electronics	741	NN -Eng. Design and Development	793																																		
<u>Courses:</u>	eliminated courses-- attach printed version with rationale/reason for elimination																																				
List--	<table border="0"> <tr> <td>Metal Technology</td> <td>721</td> </tr> <tr> <td>Robotics Technology</td> <td>746</td> </tr> </table>	Metal Technology	721	Robotics Technology	746																																
Metal Technology	721																																				
Robotics Technology	746																																				
<u>Enrollment Projected:</u>	<table border="0"> <tr> <td># Students:</td> <td>1700 total</td> <td># Sections:</td> <td>34 - TE</td> <td>rem: enrollment by department</td> </tr> <tr> <td></td> <td></td> <td></td> <td>up to 5 - CS</td> <td>580 - 680 - TE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>up to 100 - CS</td> </tr> </table>	# Students:	1700 total	# Sections:	34 - TE	rem: enrollment by department				up to 5 - CS	580 - 680 - TE					up to 100 - CS																					
# Students:	1700 total	# Sections:	34 - TE	rem: enrollment by department																																	
			up to 5 - CS	580 - 680 - TE																																	
				up to 100 - CS																																	
<u>Staffing Projected:</u>	<table border="0"> <tr> <td># Teachers:</td> <td>8 - TE</td> </tr> <tr> <td></td> <td>1 - Computer Science (Reallocated Teacher)</td> </tr> </table>	# Teachers:	8 - TE		1 - Computer Science (Reallocated Teacher)																																
# Teachers:	8 - TE																																				
	1 - Computer Science (Reallocated Teacher)																																				
<u>Facilities:</u>	<table border="0"> <tr> <td># Classrooms</td> <td>0</td> </tr> <tr> <td># Labs:</td> <td>8</td> </tr> <tr> <td># Other:</td> <td>1</td> </tr> <tr> <td></td> <td>1 Auto, 1 Woods, 1 CAD, 1 Graphics, 1 Eng., 2 General, 1 CS Storage</td> </tr> </table>	# Classrooms	0	# Labs:	8	# Other:	1		1 Auto, 1 Woods, 1 CAD, 1 Graphics, 1 Eng., 2 General, 1 CS Storage																												
# Classrooms	0																																				
# Labs:	8																																				
# Other:	1																																				
	1 Auto, 1 Woods, 1 CAD, 1 Graphics, 1 Eng., 2 General, 1 CS Storage																																				
<u>Technologies:</u>	<p>Description: All Classes - Overhead data projector and smart board technology, compressed air, water, dust and fume extraction, chemical storage</p> <p>Automotive - 4 bay garage with 4 lifts, waste storage, electricity for equipment</p>																																				

CAD - 24 computer stations, large format printers, electricity for CNC equipment
Graphics - 18 computer stations, large format printers, electricity for equipment
Engineering - 18 computers, printer, large format printer, electricity for equipment
Computer Science - 22 Computers, printers, lab benches, test equipment

Rationale:

Classroom updates are needed to accommodate new curriculum for the engineering program. Additionally classroom updates are needed to meet modern health and safety requirements as well as equipment power requirements. Improvements in technology will allow teachers to use more technological resources in instruction and assessment.

Other Budgetary Projections:

Texts No new texts required

Training

Project Lead the Way (Engineering) course training for 1-3 teachers

Construction

Enlarge and Relocate the Automotive Lab, 1 new engineering lab, 1 storage room



Course Eliminations

Metal Technology:

Metal Technology is currently only taught at Enfield High School. Only two sections a year are taught based on student demand and teacher availability. As PLTW courses are added they will supplant teaching sections of Metal Technology. Many of the concepts taught in Metal Technology will be integrated into the Material Processing Science and Technology curriculum. Additionally the machining industry has moved from hand work and manual machine operation to CNC machining centers. The cost of updating tools and support equipment to modern standards would be prohibitively expensive and would incur additional materials costs and training.

Robotics Tech:

Robotics Technology has not run for 4 years due to low student enrollment and teacher availability. Current course requests at both schools combined would only allow for one course section if all students were scheduled. Additionally the class has a high capital and material cost per pupil that is not in line with other classes.

Enfield-Fermi Consolidated High School

<u>DEPARTMENT:</u>	GUIDANCE
<u>Courses:</u>	Per program of studies-- list of course offerings, including (NN) new courses in sequence. Course numbers and titles as follows: ((NN) in front of title indicates a new course) List-- NN GUIDANCE SEMINAR This would be a mandatory offering for Grades 9-12 scheduled in place of study halls. Students would rotate through by grade and developmental school counseling curriculum would be delivered by the counselors. Career, Academic and Personal/Social curriculum topics would be covered. Student Success Plans would be developed with students utilizing the objectives for grades 9-12. Lessons would include Learning Styles, Do What You Are, Career/College Exploration, PSAT Interpretation, College Application Process, etc.
<u>Enrollment Projected:</u>	
1700 total	# Students: 1700
<u>Staffing Projected:</u>	
	# Teachers 8 Full-time Counselors--approximately 213 per caseload Chairperson with no caseload : 1 Full-time Career Specialist funded by EPS (Short-term goal) 1 Full-time Certified Career Specialist funded by EPS (Long-term goal) Full-year intern
<u>Facilities:</u>	# Classrooms Adequate office space to accommodate all staff members # Labs: Computer lab # Other: Seminar Space Career Center Description: Laptop computers for all staff members Rationale: Portability (PPT, 504 meetings, etc.)
<u>Technologies:</u>	
<u>Other Budgetary Projections:</u>	Texts Naviance licenses Training Naviance training as needed Construction Enlarged Career Center