

WASHINGTON WEST SUPERVISORY UNION

High School Program of Studies Analysis
2011-2012

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Introduction

The following summary is a comparative analysis of courses offered at Harwood Union High School as compared to Burlington, Essex, Montpelier, Mount Mansfield, South Burlington and U32 High Schools. The purpose of the study is to identify similarities and differences as a basis for course and curriculum planning.

Included in this analysis are statistical comparisons of demographics, and courses offered at each school as presented in the Program of Studies. Tech Center offerings have not been included. Each school has access to one or more area Tech Centers that students may choose to enroll in. Additionally, the Vermont Virtual Learning Cooperative (VTVLC) provides online courses and programs available to all Vermont students. These VTVLC offerings have not been included in this analysis.



It is important to understand that this analysis was completed by reviewing the schools' program of studies and determining which courses were potentially similar. With the exception of Advanced Placement courses (which have nationally prescribed curricula), the courses selected as comparable were chosen based on course title and description, not by analyzing course curricula or syllabi. There may in fact be significant differences between courses from school to school as there often can even be differences between identical courses within the same school. This document should only be used for the purpose of screening course offerings by content representation and implied leveling. A much more detailed examination would be needed to determine exact alignment.

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At a Glance Comparison

High School	Enrollment	Graduation Rate	Drop Out Rate	Student/Teacher Ratio	F/R Lunch %	Per Pupil Expenditures	Average Teacher Salary
Harwood Union High School	613	95%	0.32%	11.13	19%	\$12,466	\$59,763
Burlington High School	1080	96%	4.44%	11.49	43%	\$11,173	\$58,621
Essex High School	1330	94%	1.60%	13.35	17%	\$13,192	\$64,379
Montpelier High School	335	93%	1.51%	8.80	25%	\$12,510	\$52,967
Mount Mansfield High School	972	93%	0.82%	16.93	14%	\$12,065	\$55,928
South Burlington High School	895	95%	1.21%	12.46	17%	\$13,143	\$69,473
U32 High School	796	88%	2.53%	11.13	26%	\$13,157	\$51,728

Note: Enrollment, Student/Teacher Ratio, F/R Lunch % and Average Teacher Salary figures above come from the 2010-11 School Reports
 The Per Pupil Expenditure figures are from FY2011 School District Spending Per Pupil by School Type
 The Graduation/Drop Out Rate figures are from the VT Public School Drop Out and High School Completion Report for 09-10

Graduation Requirements

	Harwood	Burlington	Essex	Montpelier	MMU	So. Burlington	U32
English	4	4	4	4	4	4	4
Mathematics	4	3	3	3	3	3	3
Science	3	3	3	3	3	3	3
Social Studies	3	3	3	3	3	3	3
Fine Arts	1	1	1	1	1	1	1
PE	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Health	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Computers	0.5	0.5	0.5		0.5	0.5	
Careers/FACS		0.5	0.5				
World Languages		1	1				
Advisory					1		
Total Manditory Required	17.5	18	18	16	17.5	16.5	16
Total Grad. Credits	24	24	24	23	22	20	22

Program Of Studies: Business And Information Technology

Course Name	Harwood	Burlington	Essex	Montpelier	MMU	So. Burlington	U32
Keyboarding/Computer Basics	x	x			x		
Computer Applications I/Basic		x	x			x	x
Computer Applications II			x			x	x
Computer Applications III			x			x	
Advanced Computer Applications						x	x
21st Century Computer Applications		x				x	
Computer Programming						x	x
Computer Science and Robotics						x	x
Computers in Rec. Management			x				
Marketing/Advertising		x					
Intro to Business						x	
Entrepreneurship			x		x		
Business LAB						x	x
Business Law		x	x			x	
Business Math							
Accounting I	x	x	x		x		x
Accounting II	x	x					x
Economics			x				
Personal Finance	x	x	x		x	x	x
Record Keeping					x		
School Publications I		x	x			x	
School Publications II		x					
School Publications III		x					
Business Internship		x			x		
Career Exploration		x					x
PC Hardware and Software						x	x

Program Of Studies: Design and Technology Education

Course Name	Harwood	Burlington	Essex	Montpelier	MMU	So. Burlington	U32
Metals Technology I	x	x			x		x
Metals Technology II	x				x		x
Transportation	x						
Aerospace Technology	x						
Technical Drawing I/Mechanical Drafting	x				x		x
Technical Drawing II- CAD	x				x	x	x
Advanced CAD and 3D design							
Wood Technology I	x			x	x		x
Advanced Wood Technology				x	x		x
Furniture Construction	x						x
Architectural and Building Systems		x			x		
Pre-tech Vocational Course							
Technology Systems I/ Networking		x					
Tech Systems II/ Networking II		x					
Graphic Design	x (<i>Fine Arts</i>)	x			x		x
Graphic Design II					x		
Computer Animation							
Computer Animation II							
Competitions (design challenges)		x					
Construction		x					
Chief		x					
Digital Photography/Digital Media		x	x		x	x	
Electronics	x		x				
Webpage Design I	x		x			x	
Webpage Design II							
How Things Work			x				
Forensics							
Alternative Power and Energy Technologies	x						x
Flash Animation and Game Design						x	
Electronic Arts I (3D Animation)			x			x	x
Electronic Arts II			x			x	
Electronic Arts III						x	
Digital Video I						x	
Digital Video II						x	
Movie Production			x			x	

Program of Studies: English

Course Name	Harwood	Burlington	Essex	Montpelier	MMU	So. Burlington	U32
Reading Intervention I		x	x		x		x
Reading Intervention II		x			x		x
Freshman Eng.	x	x	x	x	x	x	x
Freshman Honors	x	x	x		x	x	x
Sophmore Eng.	x	x	x	x	x	x	x
Soph. Honors	x	x	x	x	x	x	x
Amer. Lit	x	x	x	x	x	x	x
Amer. Lit Honors	x				x	x	
World Lit.	*x	*x	x		x		x
Ap. Lit	*x	*x	x	x	x	x	x
<i>*Electives</i>							
Creative Comm.		x			x		
Creative Writing	x	x	x	x	x	x	
Intermediate Writing		x	x		x	x	x
Advanced Writing		x	x		x	x	x
Poetry		x	x			x	x
Public Speaking		x	x	x	x	x	
Media Lit.		x		x			x
Graphic Lit.							
Lit - Hip Hop	x						
Hope:Rwanda Humanities	x			x: Irish Humanities			x:Branching Out English
Brit. Lit			x			x	x
Newspaper	x		x			x	x
Fairy Tales	x						
Senior Seminar							
Women's Lit	x	x					
Book Publishing							
Cinema Studies		x			x	x	x
Shakespeare		x	x		x		
World Ideas I		x	x			x	
World Ideas II		x					
Modern Lit I		x	x				x
Modern Lit II		x					
Science Fiction			x				x
Holocaust Studies						x	
Justice							

Program of Studies: FACS

Course Name	Harwood	Burlington	Essex	Montpelier	MMU	So. Burlington	U32	
Foods for the 21st Cent	x		x	No courses offered	No courses offered			
Gourmet Cuisine	x							x
Cooking I			x					
International Cooking		x	x					
Food Entrepreneur							x	
On Your Own	x		x			x	x	
Child Psych	x		x					
Child Psych II			x					
Bake Shop	x							
Textile Studies I	x		x					
Textile Studies II	x							
Designing Living Spaces	x		x					
Reality Design			x					
Fashion and Design	x							

Program of Studies: Health and PE

Course Name	Harwood	Burlington	Essex	Montpelier	MMU	So. Burlington	U32
Personal Wellness	x	x			x		x
Health		x	x	x	x		
Personal Fitness	x	x	x	x	x	x	x
PE Activities	x		x	x		x	x
Coaching Methods	x	x			x	x	x
Adventure PE	x				x	x	x
Advanced PE		x				x	
Movement Exploration		x				x	
Racquet Sports			x		x	x	
Target Sports			x			x	
Dance(not fine arts credit)					x	x	
Martial Arts					x	x	
First Aid					x	x	
Plyometrics						x	
Fitness Walking						x	

Program Of Studies: Mathematics

Course Name	Harwood	Burlington	Essex	Montpelier	MMU	So. Burlington	U32
			3 Tracks- Honors, A, B				IMP/IDM
Math Inquiry/Elements/Applied Math		x		x	x		IMP
Applied Math II					x		IMP
Applied Math III					x		IMP
Applied Math IV					x		IMP
Integrated Math II					x		IDM
Intro Algebra		x		x	x	x	IDM
Intermediate Algebra		x		x			IDM
Algebra I	x	x	x	x	x	x	x
Algebra IA			x			x	x
Algebra IB			x			x	x
Practical Geometry							
Geometry	x	x	x	x	x	x	x
Geometry Level 2			x	x		x	
Geometry Honors		x	x		x	x	x
Algebra II	x	x	x	x	x	x	x
Algebra IIA			x	x		x	x
Algebra IIB			x				
Algebra II Honors	x	x	x		x	x	
Alg, Trig, Prob./Stats			x	x			
Trigonometry	x	x					x
Advanced Math							
Pre-Calc		x	x	x	x	x	x
Pre-Calc Honors	x	x	x		x	x	
Intro to Calc.			x				
Calc.		x			x	x	x
Calc. Honors	x						
AP Calc. (reg)	x	x	x	x	x	x	
AP Calc. Honors			x			x	x
Personal Finance	x	x				x	x
Financial Planning							
Stats/ Prob	x				x	x	
AP Stats.		x	x	x		x	x
Math Lab		x					

Program of Studies: Music

Course Name	Harwood	Burlington	Essex	Montpelier	MMU	So. Burlington	U32
Chorus	x	x	x		x	x	x
Advanced Chorus		x	x	x		x	
Chamber Singers		x	x	x		x	x
Madrigal Choir		x					
Band	x	x	x		x	x	x
Symphonic Band		x	x			x	
Wind Ensemble			x		x	x	
Strings/ Orchestra		x	x	x	x		x
Jazz Band	x	x	x	x		x	x
Jazz Lab/Improv I	x	x	x	x		x	x
Jazz Lab/Improv II/III	x	x					
Jazz Lab/Advanced	x						
Music Theory	x		x			x	x
Advanced Music Theory		x					x
AP Music Theory		x	x		x		
Music Production	x		x				
Music Technology I	x	x	x	x		x	
Music Technology II/III	x	x					
History of Rock	x		x				
Music Literature		x					
Piano I		x	x		x		
Piano II		x	x				
World Drumming						x	
Guitar I		x	x		x		
Guitar II		x	x		x		
Guitar Ensemble						x	
Independent Study			x				

Note: Extra Curricular options not included

Program of Studies: History/Social Studies

Course Name	Harwood	Burlington	Essex	Montpelier	MMU	So. Burlington	U32
Principals of Social Studies		X		X			
World History Fundamentals		X					
World History	X	X	X	X	X	X	X
World History Honors	X	X	X		X	X	
Western Civilization I and II		X					
Three Democracies	X						X
Democracy in Action							X
Three Democracies Honors	X						
US History	X	X	X	X	X	X	X
US History I		X		X		X	X
US History Honors	X	X				X	
Modern US History		X			X		X
Modern US History - Honors		X					X
American Government							X
American Government - Honors							
American Foreign Policy						X	
AP European History	X					X	
AP World History		X	X		X		
AP US History		X	X	X	X		X
AP US Government & Politics						X	
AP Government/Politics			X				X
AP Comparative Gov.			X				
AP Economics			X				X
<i>Electives</i>							
Economics	X	X		X	X	X	X
VT History							X
Current Events	X	X	X		X	X	
Psychology I	X	X	X	X	X	X	X
Psychology II					X		
AP Psychology						X	
Philosophy	X						
History On Film	X	X		X		X	
Law	X				X		
Global Citizenship						X	X
Creating Sustainable Communities	X						
Creating Sustainable Communities - Honors	X						
Anthropology		X					
Womens' History		X					

Program of Studies: History/Social Studies Continued

Course Name	Harwood	Burlington	Essex	Montpelier	MMU	So. Burling	U32
United Nations/World Affairs		x					
Cultural Exploration		x	x				
American Spirit			x				
Sociology			x	x	x		x
Great Ideas			x				
War and American Society							
The Constitution			x				x
Public Speaking				x			
Geography				x			x
Career Options							
African Studies					x	x	
Humanties							
American Foreign Policy							
Holocaust Studies						x	
History of the Holocaust						x	
Asian Studies						x	
Modern European History							x
School as Subject	x						
Global Military History			x				
Terrorism in the Modern World					x		
Journalism/School Newspaper I					x		
Journalism/School Newspaper II					x		

Program of Studies: Science

Course Name	Harwood	Burlington	Essex	Montpelier	MMU	So. Burlington	U32
Topics in Earth/Space	x		x		x		
Earth/Space	x		x		x	x	x
Earth/Space Honors	x						
Topics in Biology	x		x		x	x	x
Biology	x	x	x	x	x	x	x
Biology Honors	x		x		x	x	x
AP Biology		x		x	x	x	x
Science and Technology					x		x
Everyday Science	x					x	
Intro to Chemistry				x	x	x	x
Chemistry	x	x	x	x	x	x	x
Chemistry Honors			x	x	x	x	x
AP Chemistry	x	x	x			x	
Intro to Physics				x		x	x
Physics	x	x	x	x	x	x	x
Physics II		x	x	x			x
AP Physics	x		x		x	x	
Environmental Application	x	x		x	x		x
Environmental Application II				x	x		
Honors Environmental Science					x		
AP Environment Science			x			x	x
Human Physiology	x	x	x		x		x
Tech Systems I		x			x		
Tech systems II		x					
Topics in Tech Education		x					
Astronomy			x	x		x	
Field Study			x				
Botany			x				
21st Century Design			x				
Ecology			x		x		x
Forensics			x		x		
Geology				x			
Atmospheric Science							
Bridging Science		x				x	
Robotics			x				x

Program of Studies: Theater Arts/ Dance

Course Name	Harwood	Burlington	Essex	Montpelier	MMU	So. Burlington	U32
Acting I	No courses offered	No courses offered		No courses offered	No courses offered	No courses offered	x
Acting II							x
Theater 1			x				
Theater 2			x				
Acting for Camera & Radio			x				
Social Justice Theater			x				
Classical /Shakespearean			x				
Contemporary Scene			x				
Improvisation I			x				
Improvisation II							
Film I			x				
Film II							
Backstage/Production							x
State 32							x
Dance 1			x				

Program of Studies: Visual Arts

Course Name	Harwood	Burlington	Essex	Montpelier	MMU	So. Burlington	U32
Jewelry	x						x
Jewelry II	x						x
Jewelry III							x
2 Dimensional Design	x						
3 Dimensional Design							x
Intro to Crafts	x						
Clay I		x	x		x	x	x
Clay II			x		x	x	x
Clay III			x				
Wheel Throwing	x						
Graphic Design I	x		x		x		
Graphic Design II					x		
Studio Art		x	x	x		x	x
Studio Art II		x	x	x		x	x
Advanced Studio Art/Portfolio	x	x	x	x	x	x	x
AP Art			x			x	
Basketry I	x						
Basketry II							
Intro to Drawing			x		x		x
Drawing II					x		x
Intro to Painting	x		x		x	x	x
Painting II					x		
Ceramics	x						
Ceramics II							
Metals in Art		x			x		
Photography I	x		x		x		x
Photography II	x		x		x		x
Digital Photography					x		x
Printmaking					x		x
Independent Photography/Advanced	x						
Introduction to Animation					x		
Movie Production			x				
21st Century Design							
Global History Through Arts							
Calligraphy					x		
Calligraphy II					x		
Art Intern							x

Program of Studies: World Languages

Course Name	Harwood	Burlington	Essex	Montpelier	MMU	So. Burlington	U32	
Intro to Lang.						X	X*	*U32 only offers a combined French and Spanish
French I	X	X	X	X	X	X	X*	
French II	X	X	X	X	X	X	X*	
French III	X	X	X	X	X	X	X*	
French IV	X	X	X	X	X	X	X*	
French V	X	X	X			X	X*	
AP French		X	X	X	X	X		
French Assistant					X			
Intro to Spanish						X		
Spanish I	X	X	X	X	X	X		
Spanish II	X	X	X	X	X	X		
Spanish III	X	X	X	X	X	X		
Spanish IV	X	X	X	X	X	X		
Spanish V	X	X	X			X		
AP Spanish		X	X	X	X	X		
Spanish Assistant					X			
Latin I	X	X		X	X	X		
Latin II	X	X		X	X			
Latin III	X	X		X	X			
Latin IV	X	X		X	X			
AP Latin		X						
Latin Assistant					X			
Chinese I		X						
Chinese II		X						
Chinese III		X						
German I		X				X		
German II		X				X		
German III		X				X		
German IV		X				X		
Japanese I			X			X		
Japanese II			X			X		
Japanese III						X		
Japanese IV						X		