

Needham High School

*A Caring Community Striving For Personal
Growth And Academic Excellence*

Course Selection Guide



This guide has been produced to assist students as they choose their courses for the 2017-2018 school year.

For a complete look at our Program of Studies, please visit us at:
www.needham.k12.ma.us

SCHOOL COUNSELORS 2017-2018

PLEASE CONTACT YOUR CHILD'S SCHOOL COUNSELOR IF YOU HAVE ANY QUESTIONS

TELEPHONE: 781.455.0800 (EXTENSIONS ARE BELOW)

(for email address: first_last@needham.k12.ma.us)

COUNSELOR	Grade 12 (2018)	Grade 11 (2019)	Grade 10 (2020)	Grade 9 (2021)
Will Grannon (x2149)	A-Calcagni	A-Charter	A-Chen	TBD
Renee Vasquez (x2502)	Calderon-D	Child-Fitzgerald	Choi-Feng	TBD
Matthew Howard (x2517)	E-Hayden	Flagan-Hem	Fernandes-Hud	TBD
Dana Plunkett (x2303)	Hearn-Lawlor	Herman-Lamb	Humph-Lobel	TBD
Mary Jane Walker (x2107)	Lawrence-M	Lavine-Miller	Lockhart-Naw	TBD
James Ash (x2101)	N-Rodriguez	Milstein-Putprush	Neal-Ross	TBD
Meridith Welch (x2553)	Roefaro-S	Quinn-Sprogis	Rubin-Supin	TBD
Shannon Mastropaolo (x2148)	T-Z	Stedman-Z	Suresha-Z	TBD

Department Telephone Extensions Needham High School (781) 455-0800

<u>Department</u>	<u>Department Head</u>	<u>Extension</u>
English	Mr. Patrick Gallagher	2640
Fine & Performing Arts	Dr. David Neves	2440
Guidance	Mr. Tom Denton	2130
History and Social Sciences	Mr. Steve Plasko	2540
Mathematics	Mr. John Shea	2846
Wellness	Dr. Kathy Pinkham	2140
Science	Ms. Jennifer Regrut	2949
Special Education	Ms. Patricia Mullen	2771
World Languages	Dr.. Elizabeth Zajac	2755
METCO Coordinator	Mr. Shakur Abdal-Khallaq	2544
Technology and Innovation	Ms. Jean Tower	455-0471 (ext. 210)

NHS Course Selection Guide 2017-2018

Community Service Learning

Number	Length	Credit	Course
5419		1	Community Service Learning
5429		2	Community Service Learning

English

Number	Length	Credit	Course
0101	F	4	9th Grade English Acc
0102	F	4	9th Grade English Hon
0103	F	4	9th Grade English CP
0201	F	4	10th Grade English Acc
0202	F	4	10th Grade English Hon
0203	F	4	10th Grade English CP
0301	F	4	11th Grade English Acc
0302	F	4	11th Grade English Hon
0303	F	4	11th Grade English CP
0311	F	4	AP Language & Composition
0431	F	4	12th Grade English Acc
0432	F	4	12th Grade English Hon
0433	F	4	12th Grade English CP
0421	F	4	AP Literature & Composition
0491	F	8	The Greater Boston Project Acc *

English Language Learners (ELL)

Number	Length	Credit	Course
0980	F	4	ELL Advanced English
0995	F	4	ELL Support

The following courses are for high school credit only. They do not count for English credit.

Number	Length	Credit	Course
0510	S	2	Public Speaking
0520	S	2	Experimental Writing
0530	S	2	Film Studies
0547	F	4	Journalism I - The Hilltopper
0548	S	2	Journalism I - The Hilltopper - 2 credit

Fine and Performing Arts

Visual Arts

Number	Length	Credit	Course
7010	F	4	Art 1
7022	F	4	Art 2 Hon
7031	F	4	AP Art 3 Portfolio
7041	F	4	Art 3 Acc
7141	F	4	Art 4 Senior Studio Acc
7100	S	2	Ceramics 1
7105	S	2	Ceramics 2
7106	S	2	Ceramics 3
7120	S	2	Crafts
7128	S	2	Drawing and Painting 1
7136	S	2	Drawing and Painting 2
7158	S	2	Introduction to Sculpture
7159	S	2	Digital Art and Animation
7156	S	2	Digital Portfolio * **
7170	S	2	Photography 1
7175	S	2	Photography 2
7180	S	2	Photography 3
7193	S	2	Drafting and Linear Perspective 1
7196	S	2	Drafting and Linear Perspective 2
7246	S	2	Motion Design
7249	S	2	Commercial Design and Production 1 **
7250	S	2	Commercial Design and Production 2 **
7257	S	2	Commercial Design and Production 3

Performing Arts

Number	Length	Credit	Course
8020	F	4	Concert Band
8011	F	4	Symphonic Band Acc
8029	F	4	Symphonic Band
8035	F	2	Jazz Ensemble (after school)
8040	S	2	Jazz Improvisation
8051	F	4	Concert Chorale Acc
8060	F	4	String Orchestra
8061	F	4	String Orchestra Acc
8070	S	2	Music Theory 1
8075	S	2	AP Music Theory 2
8074	F	4	Concert Chorale
8077	F	4	Bella Voce Chorus **
8041	F	4	Bella Voce Chorus Acc **
8081	F	4	Chorus Acc
8080	F	4	Chorus
8085	F	2	Chorus (After School)
8100	S	2	Technical Theater
8116	S	2	Music Studio 1: Song Writing
8117	S	2	Music Studio 2: Production & Film Scoring
8125	S	2	Guitar Class 1
8126	S	2	Guitar Class 2
8150	S	2	Theatre Arts 1
8157	S	2	Theatre Arts 2
8123	S	2	Contemporary Music Ensemble (after school)

Interdisciplinary Courses

Number	Length	Credit	Course
1260	S	1	Peer Tutoring *
9800	F	2	Be the Change *
9899	F	4	TEC Internship *

Independent Study

S/F Subject to Contract Independent Study

Mathematics

Number	Length	Credit	Course
2023	F	4	Integrated Math 9 CP **
2033	F	4	Math 9 CP **
2022	F	4	Math 9 Hon **
2021	F	4	Math 9 Acc **
2031	F	4	Advanced Math 9 Acc **
2013	F	4	Geometry CP
2082	F	4	Geometry Hon
2091	F	4	Geometry Acc
2113	F	4	Algebra 2 CP
2122	F	4	Algebra 2 Hon
2133	F	4	Advanced Algebra and Trigonometry
2203	F	4	Precalculus CP
2212	F	4	Precalculus Hon
2221	F	4	Precalculus Acc AB
2231	F	4	Precalculus Acc BC
2302	F	4	Calculus Hon
2311	F	4	AP Calculus AB
2321	F	4	AP Calculus BC
2332	F	4	Statistics Hon
2331	F	4	AP Statistics
2333	F	4	Fundamentals of Calculus and Statistics CP
2475	S	2	Critical Thinking in Math
2476	S	2	Computer Programming Fundamentals * **

2482	S	2	Introduction to Computer Science (Math) *
2481	F	4	AP Computer Science (Math) *
2488	F	4	AP Computer Science Principles *
2490	F	4	Junior/Senior STEM Capstone * **
2496	S	2	Junior/Senior STEM Capstone - 2 credit * **
2489	S	2	Robotics (Math) *
2613	S	2	Principles of Accounting (Math)
2615	S	2	Personal Finance (Math) *
2467	S	2	Computer Aided Design and Manufacturing * **
2466	S	2	Engineering Design 101 * **
9898	F	4	Work Study (Math) *

Media

Number	Length	Credit	Course
8455	S	2	Tech Leaders *
8490	S	2	Television Communication 1 * +
8495	S	2	Television Communication 2 * +
8497	S	2	News and The Web * +

+ Up to two credits may apply towards Fine and Performing Arts requirement

Science

Number	Length	Credit	Course
3001	F	4	Biology Acc
3012	F	4	Biology Hon
3023	F	4	Biology CP
3101	F	4	Physics Acc
3112	F	4	Physics Hon
3123	F	4	Physics CP
3201	F	4	Chemistry Acc
3212	F	4	Chemistry Hon
3223	F	4	Chemistry CP
3401	F	4	Physiology Acc
3412	F	4	Physiology Hon
3502	F	4	Modern Physics Hon
3542	F	4	Experiencing Chemistry Hon
3531	F	4	Environmental Science Acc *
3532	F	4	Environmental Science Hon *
3533	F	4	Environmental Science CP *
3640	F	4	Marine Science
3610	S	2	Introduction to Astronomy **
3701	F	8	AP Biology
3801	F	8	AP Physics
3901	F	8	AP Chemistry

History and Social Sciences

Number	Length	Credit	Course
4101	F	4	World History Acc
4102	F	4	World History Hon
4103	F	4	World History CP
4201	F	4	The World and America Acc
4202	F	4	The World and America Hon
4203	F	4	The World and America CP
4301	F	4	AP U.S. History
4311	F	4	U.S. History Acc
4302	F	4	U.S. History Hon
4303	F	4	U.S. History CP
4212	F	4	The World Since 1945 Hon
4402	F	4	American Legal System Hon
4412	F	4	Economics Hon
4421	F	4	AP Psychology
4422	F	4	Psychology and Sociology Hon
4423	F	4	Psychology and Sociology CP
4462	F	4	African American Studies and Contemporary Issues Hon *
4441	F	4	AP United States Government
4445	F	4	Debate and Argument
0491	F	8	The Greater Boston Project Acc *

Wellness

Number	Length	Credit	Course
8605	S	2	Wellness 9
8615	S	2	Wellness 10
8625	S	2	Wellness 11
8635	S	2	Wellness 12

World Languages

Number	Length	Credit	Course
1121	F	4	French 2 Acc
1122	F	4	French 2 Hon
1131	F	4	French 3 Acc
1132	F	4	French 3 Hon
1141	F	4	French 4 Acc
1142	F	4	French 4 Hon
1161	F	4	French 5 Acc
1171	F	4	AP French Language and Culture
1311	F	4	Latin 1 Acc
1312	F	4	Latin 1 Hon
1321	F	4	Latin 2 Acc
1322	F	4	Latin 2 Hon
1331	F	4	Latin 3 Acc
1332	F	4	Latin 3 Hon
1341	F	4	Latin 4 Acc
1342	F	4	Latin 4 Hon
1512	F	4	Spanish 1 Hon
1513	F	4	Spanish 1 CP
1521	F	4	Spanish 2 Acc
1522	F	4	Spanish 2 Hon
1523	F	4	Spanish 2 CP
1531	F	4	Spanish 3 Acc
1532	F	4	Spanish 3 Hon
1533	F	4	Spanish 3 CP
1541	F	4	Spanish 4 Acc
1542	F	4	Spanish 4 Hon
1563	F	4	Spanish 4 CP
1581	F	4	AP Spanish Language and Culture
1561	F	4	Spanish 5 Acc
1602	F	4	Mandarin 1 Hon
1612	F	4	Mandarin 2 Hon
1621	F	4	Mandarin 2 Acc
1631	F	4	Mandarin 3 Acc
1622	F	4	Mandarin 3 Hon
1632	F	4	Mandarin 4 Hon
1641	F	4	Mandarin 4 Acc
1691	F	4	AP Mandarin Chinese Language and Culture
1681	F	4	Mandarin 5 Acc
1719	F	4	INDEX World Language

CP = College Prep Hon = Honors
Acc = Accelerated AP = Advanced Placement
**** New Course Offering * Interdisciplinary Course**