

ENGLISH DEPARTMENT

Department Head: Maryanne Ouellet (mouellet@natickps.org)

	Grade 9	Grade 10	Grade 11	Grade 12
Advanced Placement (AP)			AP English Language & Composition 30	AP English Literature & Composition 40
Honors (Level 0)	English 10	English 20	English 30	English: Film Analysis 40 (S1 or S2) English: Foundations in Creative Writing 40 (S1 or S2) English: Creative Writing Portfolio Workshop 40 (S2) English: The Power of Story I 40 (S1) English: The Power of Story II 40 (S2) English: Identity in America I 40 (S1) English: Identity in America II 40 (S2) English: War in Literature I 40 (S1) English: War in Literature II 40 (S2)
Advanced College Preparatory (Level 1)	English 11	English 21	English 31	English: Film Analysis 41 (S1 or S2) English: Foundations in Creative Writing 41 (S1 or S2) English: Creative Writing Portfolio Workshop 41 (S2) English: The Power of Story I 41 (S1) English: The Power of Story II 41 (S2) English: Identity in America I 41 (S1) English: Identity in America II 41 (S2) English: War in Literature I 41 (S1) English: War in Literature II 41 (S2) English: Literacy and Communication I (S1 or S2)

MATHEMATICS DEPARTMENT

Department Head: Jayashree Pillai (jpillai@natickps.org)

Advanced Placement (Level 0)		AP Computer Science Principles 20	AP Computer Science Principles 20	AP Computer Science Principles 20 AP Statistics 30 AP Computer Science A 30	AP Computer Science Principles 20 AP Statistics 30 AP Computer Science A 30 AP Calculus AB 50 AP Calculus BC 50
Honors (Level 0)	Algebra I 10 Intro Computer Science 10 (Semester) Intro Computer Science 10; Women in CS (Semester)	Geometry 20 Intro Computer Science 10 (Semester) Intro Computer Science 10; Women in CS (Semester)	Algebra II 30 Intro Computer Science 10 (Semester) Intro Computer Science 10; Women in CS (Semester)	Precalculus 40 Intro Computer Science 10 (Semester) Intro Computer Science 10; Women in CS (Semester)	Calculus 50 Intro Computer Science 10 (Semester)
Advanced College Preparatory (Level 1) OPTION 1	Algebra I 11	Geometry 21	Algebra II 31	Precalculus 41	
Advanced College Preparatory (Level 1) OPTION 2	Algebra I 11	Geometry 21	Algebra II 31	Algebra & Functions 41 (Semester 1) Trigonometry 41 (Semester 2) Probability & Statistics 41	
Electives	Intro Computer Science 11 (Semester) Intro Computer Science 11; Women in CS (Semester) Creating Mobile Apps 11 (Semester)	Intro Computer Science 11 (Semester) Intro Computer Science 11; Women in CS (Semester) Creating Mobile Apps 11 (Semester) Cybersecurity 21 (Semester) Financial Accounting 21 (Semester)	Intro Computer Science 11 (Semester) Intro Computer Science 11; Women in CS (Semester) Creating Mobile Apps 11 (Semester) Cybersecurity 21 (Semester) Financial Accounting 21 (Semester) Fin. Lit. and Workforce Readiness 31 (Semester)	Intro Computer Science 11 (Semester) Intro Computer Science 11; Women in CS (Semester) Creating Mobile Apps 11 (Semester) Cybersecurity 21 (Semester) Financial Accounting 21 (Semester) Fin. Lit. and Workforce Readiness 31 (Semester) Probability & Statistics 41	

SCIENCE DEPARTMENT

Department Head: Dan Hinnenkamp (dahinnenkamp@natickps.org)

	Grade 9	Grade 10	Grade 11	Grade 12
Advanced Placement (AP)	AP Physics L 1 10 (with permission only)		AP Chemistry L 30 AP Environmental Science L 30	AP Chemistry L 30 AP Environmental Science L 30 AP Biology L 40 AP Physics C Mech. 40 L (S1) AP Physics C E&M 40 L (S2)
Honors (Level 0)	Physics L 10	Chemistry L 20	Biology L 30	Themes in Biology L 40
Advanced College Preparatory (Level 1)	Physics L 11	Chemistry L 21	Biology L 31	Anatomy & Physiology L 41 Environmental Science L 41 Physics and Engineering L 41/L40
Electives	Adventures in Aeronautical Engineering L 11 (S2 only for gr. 9) Engineering Projects L 11 (Semester) Civil Engineering & Architecture L 11 (S2 only for gr. 9) Themes in Engineering L 11 (Semester) MATLAB I L 11 (semester) MATLAB II L 11 (S2) Robotics L 11 (Semester) Adv. Inventive Robotics L 11 (S2 only for gr. 9) iCREAT: introduction to Coding, Robotics, Electronics and Technology	Adventures in Aeronautical Engineering L 11 (S2 only for gr. 9) Engineering Projects L 11 (Semester) Civil Engineering & Architecture L 11 (S2 only for gr. 9) Themes in Engineering L 11 (Semester) MATLAB I L 11 (semester) MATLAB II L 11 (semester) Robotics L 11 (Semester) Adv. Inventive Robotics L 11 (S2 only for gr. 9) Astronomy L 21 (Semester) Green Engineering L 21 (Semester) Science in the Media L 21 (Semester) iCREAT: introduction to Coding, Robotics, Electronics and Technology 11(FY)	Adventures in Aeronautical Engineering L 11 (S2 only for gr. 9) Engineering Projects L 11 (Semester) Civil Engineering & Architecture L 11 (S2 only for gr. 9) Themes in Engineering L 11 (Semester) MATLAB I L 11 (semester) MATLAB II L 11 (semester) Robotics L 11 (Semester) Adv. Inventive Robotics L 11 (S2 only for gr. 9) Astronomy L 21 (Semester) Green Engineering L 21 (Semester) Science in the Media L 21 (Semester) Disease & Medicine L 31 (Semester) Ethics in Science L 31 (Semester) Forensics 31 (FY) iCREAT: introduction to Coding, Robotics, Electronics and Technology 11(FY)	Adventures in Aeronautical Engineering L 11 (S2 only for gr. 9) Engineering Projects L 11 (Semester) Civil Engineering & Architecture L 11 (S2 only for gr. 9) Themes in Engineering L 11 (Semester) MATLAB I L 11 (semester) MATLAB II L 11 (semester) Robotics L 11 (Semester) Adv. Inventive Robotics L 11 (S2 only for gr. 9) Astronomy L 21 (Semester) Green Engineering L 21 (Semester) Science in the Media L 21 (Semester) Disease & Medicine L 31 (Semester) Ethics in Science L 31 (Semester) Forensics 31 (FY) iCREAT: introduction to Coding, Robotics, Electronics and Technology 11(FY)

SOCIAL STUDIES DEPARTMENT

Department Head: Matt Brenneman (mabrenneman@natickps.org)

	Grade 9	Grade 10	Grade 11	Grade 12
Advanced Placement (AP)		AP World History 20 AP US Government & Politics 20 AP African American Studies 20	AP World History 20 AP US History 30 AP Economics 30 AP Comparative Government & Politics 30 AP Human Geography 30 AP African American Studies 20	AP World History 20 AP Economics 30 AP Comparative Government & Politics 30 AP Human Geography 30 AP US Government & Politics 40 AP Psychology 40 AP African American Studies 20
Honors (Level 0)		US Government and Politics 20	US History 30	See below for honors level courses
Adv. College Prep (Level 1)	Global Awareness 11 (Heterogeneous)	US Government and Politics 20	US History 31	See below for Advanced College Prep courses
Electives	African American History I 11 (S1) African American History II 11 (S2) Intro to Economics 11 (semester) Maritime History: Pirates and Privateers 11 (semester) (Not Offered 25-26) Modern Middle East History 11 (Not Offered 25-26)	African American History I 11 (S1) African American History II 11 (S2) Intro to Economics 11 (semester) Maritime History: Pirates & Privateers 11 (semester) (Not Offered 25-26) Modern Middle East History 11 (Not Offered 25-26) Holocaust & Genocide 20, 21 (semester) Genocide & Human Rights 20, 21 (semester) (Not Offered 25-26) Intro. to Law I 21 (semester) Law II 21 (semester) Modern Military History 20, 21 (semester) (Not Offered 25-26) History of Sports & Society in America 21 (semester) (Not Offered 25-26) Social/Political Issues Through Popular Music 20, 21 (semester) Philosophy 20, 21 (semester) Intro to Business & Management 20, 21 The United States Legal System 20 (Not Offered 25-26) Social Justice in America 30,31 (semester) (Not Offered 25-26)	African American History I 11 (S1) African American History II 11 (S2) Maritime History: Pirates & Privateers 11 (semester) (Not Offered 25-26) Modern Middle East History 11 (Not Offered 25-26) Holocaust & Genocide 20, 21 (semester) Genocide & Human Rights 20, 21 (semester) (Not Offered 25-26) Intro. to Law I 21 (semester) Law II 21 (semester) Modern Military History 20, 21 (semester) (Not Offered 25-26) History of Sports & Society in America 21 (semester) (Not Offered 25-26) Social/Political Issues Through Popular Music 20, 21 (semester) Philosophy 20, 21 (semester) Intro to Business & Management 20, 21 The United States Legal System 20 (Not Offered 25-26) Social Justice in America 30,31 (semester) (Not Offered 25-26) Advanced Business Concepts 30, 31 (Not Offered 25-26) Healthy Relationships: Promotion And Advocacy 31 (semester) Social Justice in America 30,31 (semester) (Not Offered 25-26) Contemporary Humanities: Exploring Culture Through The Arts 21, 20 (S1) Philosophy II 30 (S1)	African American History I 11 (S1) African American History II 11 (S2) Intro to Economics 11 (semester) Maritime History: Pirates & Privateers 11 (semester) (Not Offered 25-26) Modern Middle East History 11 (Not Offered 25-26) Holocaust & Genocide 20, 21 (semester) Genocide & Human Rights 20, 21 (semester) (Not Offered 25-26) Intro. to Law I 21 (semester) Law II 21 (semester) Modern Military History 20, 21 (semester) (Not Offered 25-26) History of Sports & Society in America 21 (semester) (Not Offered 25-26) Social/Political Issues Through Popular Music 20, 21 (semester) Philosophy 20, 21 (semester) Intro to Business & Management 20, 21 (Not Offered 25-26) The United States Legal System 20 (Not Offered 25-26) Social Justice in America 30,31 (semester) (Not Offered 25-26) Advanced Business Concepts 30, 31 (Not Offered 25-26) Healthy Relationships: Promotion And Advocacy 31 (semester) Social Justice in America 30,31 (semester) (Not Offered 25-26) Contemporary Humanities: Exploring Culture Through The Arts 21, 20 (S1) Psychology 40/41 (semester) Philosophy II 30 (S1)

WORLD LANGUAGE

Department Head: Denise Trubiano (detrubiano@natickps.org)

SPANISH LANGUAGE COURSE SEQUENCE FOR THE CLASS OF 2025 AND MOVING FORWARD

	Grade 9	Grade 10	Grade 11	Grade 12
Advanced Placement (AP)				AP Spanish 60
Honors (Level 0)	Spanish Language 30	Spanish Language 40	Spanish Language 50	Spanish Language 60
Advanced College Preparatory (Level 1)	Spanish Language 31	Spanish Language 41	Spanish Language 51	Spanish Language 61
Advanced College Preparatory (Level 1)	Spanish Language 11	Spanish Language 21	Spanish Language 31	Spanish Language 41
College Preparatory (Level 2)	Spanish Language 12	Spanish Language 22		

*HERITAGE SPANISH LITERATURE AND CULTURE COURSE SEQUENCE

	Grade 9	Grade 10	Grade 11	Grade 12
Honors (Level 0)	Spanish Literature and Culture 40	Spanish Literature and Culture 50		
Advanced Placement (AP)			AP Spanish Language and Culture 60	AP Spanish Literature and Culture 70

**Spanish Literature and Culture is offered for those students who speak Spanish at home, are native/heritage speakers, or who have participated in a Bilingual Program in another district. This placement is based on recommendation. Students who want a challenge and have an appropriate level of proficiency may take the class as an elective based on teacher recommendation.*

FRENCH LANGUAGE COURSE SEQUENCE FOR THE CLASS OF 2025 AND MOVING FORWARD

	Grade 9	Grade 10	Grade 11	Grade 12
Advanced Placement (AP)				AP French Language 60
Honors (Level 0)	French Language 30	French Language 40	French Language 50	French Language 60
Advanced College Preparatory (Level 1)	French Language 31	French Language 41	French Language 51	French Language 61
Advanced College Preparatory (Level 1)	French Language 11	French Language 21	French Language 31	French Language 41

LATIN COURSE SEQUENCE

	Grade 9	Grade 10	Grade 11	Grade 12
Honors (Level 0)			Latin 30	Latin 40
Advanced College Preparatory (Level 1)			Latin 31	Latin 41

MANDARIN LANGUAGE COURSE SEQUENCE FOR THE CLASS OF 2025 AND MOVING FORWARD

	Grade 9	Grade 10	Grade 11	Grade 12
Advanced Placement (AP)				AP Chinese Language & Culture 60
Honors (Level 0)	Mandarin Language 30	Mandarin Language 40	Mandarin Language 50	Mandarin Language 60
Advanced College Preparatory (Level 1)	Mandarin Language 31	Mandarin Language 41	Mandarin Language 51	Mandarin Language 61

WELLNESS DEPARTMENT

Department Head: Robert Anniballi (ranniballi@natickps.org)

Grade 9	Grade 10	Grade 11	Grade 12
Wellness I 14 (semester)	Wellness II 24 (semester) Health 21 (semester)	Recreational Activities for Life 34 (semester) Team Sports 34 (semester) Personal Fitness 34 (semester) Strength Training 34 (semester) Unified Wellness 34 (semester) Pilates, Yoga, & Mindfulness 34 (semester) Healthy Relationships: Promotion and Advocacy 31 (semester) Advanced Healthy Relationships II 31 (semester) Dance/ Show Choir 31 Dance/ Show Choir 30 Introduction To Athletic Training 31 (Semester) Group Fitness (Semester) Brazilian Jiu Jitsu & Wrestling (Semester) Intro To Dance 31 (Semester)	Recreational Activities for Life 34 (semester) Team Sports 34 (semester) Personal Fitness 34 (semester) Strength Training 34 (semester) Unified Wellness 34 (semester) Pilates, Yoga, & Mindfulness 34 (semester) Healthy Relationships: Promotion and Advocacy 31 (semester) Advanced Healthy Relationships II 31 (semester) Dance/Show Choir 31 Dance/Show Choir 30 Introduction To Athletic Training 31 (Semester) Group Fitness (Semester) Brazilian Jiu Jitsu & Wrestling (Semester) Intro to Dance 31 (Semester)

FAMILY CONSUMER SCIENCE

	Grade 9	Grade 10	Grade 11	Grade 12
Honors (Level 0)		Child Growth & Development 20 (FY)	Child Growth & Development 20 (FY) Early Childhood Education 30 (FY)	Child Growth & Development 20 (FY) Early Childhood Education 30 (FY)
Advanced College Preparatory (Level 1)	Intro to Child Growth 11 (S1) Child Psychology 11 (S2)	Intro to Child Growth 11 (S1) Child Psychology 11 (S2) Child Growth & Development 21 (FY) Unified Community Projects 21 (semester)	Intro to Child Growth 11 (S1) Child Psychology 11 (S2) Child Growth & Development 21 (FY) Unified Community Projects 21 (semester) Early Childhood Education 31 (FY)	Intro to Child Growth 11 (S1) Child Psychology 11 (S2) Child Growth & Development 21 (FY) Unified Community Projects 21 (semester) Early Childhood Education 31 (FY)

Director: Stephen Miller (smiller@natickps.org)

Contemporary Humanities (S1 grades 10-12) Experimental Class with experiences in Music, Art, Film, Theatre, and Literature. Can serve as elective credit for Arts or Social Studies or English Honors and non honors level available						
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VISUAL ART CURRICULUM FLOW CHART								
Tier 1 Electives (Visual Arts courses that can be taken with no prerequisite)								
Sketchbooking	Drawing	Ceramics I or Sculpture	Graphic Design I	Printmaking	Art Foundations: Ideas, Concepts, and Skills	Digital Photography	Graphic Novels	Cooperative Art
Tier 2 Electives (1 prerequisite)								
Adv. Sketchbooking ²¹	Painting	Ceramics II	Adv Graphic Design I					
Tier 3 Electives (2 prerequisites)								
Honors Portfolio (Prerequisites: Drawing I and Painting I)		Ceramics III	Adv Graphic Design II					
Tier 4 Electives (prerequisites: see below)								
AP ART AND DESIGN B+ or better in the following: Drawing I, Painting I and Honors Portfolio OR Instructor approval following a portfolio review to demonstrate depth of experience and strong interest in visual art. Students should have 4 semesters of relevant art experience at NHS with a B+ or better, or equivalent outside experience. This pathway is intended to accommodate students focused on 3d or digital media for whom the traditional pathway is not suitable. Students working in traditional media are strongly encouraged to complete the prerequisites listed above.								

MUSIC

INSTRUMENTAL	Concert Band 11 (FY) (Honors level not available until 2nd semester freshmen year)	Introduction to Band (FY) (Honors level not available)	Wind Ensemble (Honors level not available until 2nd semester freshmen year)	Jazz Ensemble – an after school class. Participants must be involved in concert, band or choir. (Honors level not available until 2nd semester freshmen year)	String Orchestra 11 (FY) (Honors level not available until 2nd semester freshmen year)
CHOIR	Concert Choir (FY) A choir for all voices, students, and skill levels. (Honors level not available until 2nd semester freshmen year)	Dance/ Show Choir (FY) SATB ensemble that sings, dances, performs in various styles, travels, and competes. Enrollment is determined by audition, held in early March. (Honors level not available until 2nd semester freshman year)	Chamber Singers –(FY) An advanced choir for Soprano and Alto voices. Not available until sophomore year and by teacher recommendation. (Honors level available)	Men's Choir – A choir for Tenor and Bass voices. Available for all grades. This choir meets during Red Day CDS and one evening a week. (Honors level not available until 2nd semester freshman year)	Musae- A choir for Soprano and Alto voices. Available for all grades. This choir meets during Blue Day CDS and one evening a week. (Honors level not available until 2nd semester freshman year)
GENERAL MUSIC	Piano 11 (S1 and S2)	Introduction To Music Production 11 (S1 and S2)	An American History of Rock and Roll 11		Music Theory & Technology 11 (S1)

THEATRE

Theatre For All 11 (S1 can be repeated)	Scene Work 11 (S2 can be repeated)	DIRECTING FOR THE STAGE 21 (S2 can be repeated)	Technical Theatre Lab (S1, S2) (Must complete Indemnity form and parent permission slip)	Advanced Acting (S2) (Honors level - requires audition / permission of instructor)	
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MEDIA ARTS

MEDIA ARTS CURRICULUM FLOW CHART

Tier 1 Electives (Media Arts courses that can be taken with no prerequisite)

Intro to Web Design	Introduction to TV Broadcasting	Video Production	Graphic Design	Intro to Game Design	Animation	Digital Photography	Creating Graphic Novels	Yearbook (FY)	Documentary Filmmaking
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Tier 2 Electives (1 prerequisite)

Adv. Web Design I	Adv. TV Broadcasting News	Adv Video Production	Adv. Graphic Design I	Adv. Game Design	Adv. TV Broadcasting AM News			Advanced Yearbook (FY)	
Tier 3 Electives (2 prerequisites)									
Adv. Web Design II	Adv TV Broadcasting Techniques (Honors)		Adv. Graphic Design II						