

**DHS Electives by Grade Level**

**For Class of 2023 and beyond:**  
**H = Humanities S=STEM F= Fine/Practical Arts**

<b>H</b>	<b>S</b>	<b>F</b>		<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b># Sems</b>	<b>Prerequisite</b>
			<b>ART</b>						
X		X	Art Foundations	X	X	X	X	1	
X		X	Art Honors			X	X	1	Drawing & Painting 3 Honors OR Ceramics 2 OR Photo 2 & dept approval
X		X	Art Print Making		X	X	X	1	Drawing & Painting 1 OR permission from Teacher
X		X	AP Studio Art			X	X	2	Drawing and Painting 3 Honors OR Ceramics 2
X		X	AP Art and Design: 2D (Digital Photo/Photography track)			X	X	2	Graphic Design 2 AND Digital Photo 2 OR Digital Photo 2 AND Photo 2
X		X	Ceramics 1	X	X	X	X	2	
X		X	Ceramics 2		X	X	X	2	Ceramics 1
X		X	Ceramics 3			X	X	1	Ceramics 2 & permission from Teacher
X		X	Clay Sculpture	X	X	X	X	1	
X	X	X	Digital Photography	X	X	X	X	1	
X	X	X	Digital Photography 2	X	X	X	X	1	Digital Photography
X		X	Drawing	X	X	X	X	1	
X		X	Drawing & Painting 1	X	X	X	X	1 or 2	Art Foundations
X		X	Drawing & Painting 2		X	X	X	1	Drawing and Painting 1
X		X	Drawing & Painting 3 Honors		X	X	X	1	Drawing and Painting 2 OR permission from Teacher
X	X	X	Graphic Design 1	X	X	X	X	1	
X	X	X	Graphic Design 2	X	X	X	X	1	Graphic Design 1
X		X	Historical Art Making	X	X	X	X	1	
X		X	Mural Painting			X	X	1	Drawing & Painting 3 Honors OR permission from Teacher
X		X	Photography 1		X	X	X	1	Students are encouraged to bring their own 35mm camera. Dept has a few to loan if student does not have one.
X		X	Photography 2		X	X	X	1 or 2	Photo 1 AND Students are encouraged to bring their own 35mm camera. Dept has a few to loan if student does not have one.
X		X	Sculpture	X	X	X	X	1	
			<b>Business Education</b>						
	X	X	Accounting Essentials		X	X	X	1	Investing & Personal Finance
X	X		Business & Entrepreneurship	X	X	X	X	1	
X	X		Investing & Personal Finance	X	X	X	X	1	
X	X	X	Marketing Essentials	X	X	X	X	1	
X			Pre-Law	X	X	X	X	1	
X	X		Sports Marketing	X	X	X	X	1	Marketing Essentials
			<b>Computer Science</b>						
	X	X	Advanced Programming			X	X	2	AP Computer Science A w/ B+ and permission from Teacher
	X	X	AP Computer Science A		X	X	X	2	Computer Science w/ B+ or higher
	X	X	AP Computer Science Principles		X	X	X	2	B- or better in Algebra 1 and dept. approval
	X	X	Computer Animation	X	X	X	X	1	
	X	X	Computer Applications	X	X	X	X	1	
	X	X	Computer Science	X	X	X	X	1	
	X	X	Introduction to App Development	X	X	X	X		
	X	X	Web Design 1	X	X	X	X	1	
	X	X	Web Design 2	X	X	X	X	1	Web Design 1 with C or higer
			<b>English</b>						
X			Advanced Composition & Tutor Training			X	X	1	Recomendation from teacher and department approval (may include additional application) - Course may be repeated
X			AP Language & Comp 11/American Literature			X		2	English 10 Honors w/ B- or higher and permission of teacher or qualifying score on placement
X			AP Language & Comp 12/Postmodern Voices				X	2	Am. Lit with B+ or higher
X			AP Literature & Comp				X	2	Ap Lang & Comp w B- or higher OR Am Lit w/ B+ or higher
X			Behind the Dragon: East Asian Literature			X	X	1	American Literature OR may be taken concurrently by juniors
X			Beyond the NY School: Contemporary Poetry			X	X	1	American Literature OR may be taken concurrently by juniors
X			Creative Writing 1	X	X	X	X	1	
X			Creative Writing Advanced			X	X	1	Creative Writing 1, or comparable previous work and permission from Teacher
X			Critical Approaches to Film			X	X	1	
X			Dangerous Creatures: Women and Fiction			X	X	1	American Literature OR may be taken concurrently by juniors
X	X		Drama 1	X	X	X	X	1	
X	X		Drama 2	X	X	X	X	1	Drama 1 OR permission from Teacher
X			From Knights to Knaves: British Literature			X	X	1	American Literature OR may be taken concurrently by juniors
X			Knowing Nothing: Literature and Philosophy			X	X	1	American Literature OR may be taken concurrently by juniors
X			The Lettered Athlete: Sports and Literature			X	X	1	American Literature OR may be taken concurrently by juniors
X			A Moveable Feast: The Literature of Food and Travel			X	X	1	American Literature. May be taken concurrently by juniors

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X			Mystery and Mayhem: The Literature of Suspense			X	X	1	American Literature OR may be taken concurrently by juniors
X			Page and Stage: Literature in Performance			X	X	1	American Literature OR may be taken concurrently by juniors
X			Skyscrapers & Subways: The Literature of NYC			X	X	1	Grade 11 American Literature/AP Lang. May be taken concurrently by juniors
X			Writers' Workshop		X	X	X	1	
X			Writing with Purpose		X	X	X	1	
			<b>History &amp; The Social Sciences</b>						
X			African American/Black Studies & Latino/Puerto Rican Studies			X	X	2	
X			America since 1945			X	X	1	
X	X		AP Microeconomics			X	X	2	Algebra 2
X			AP European History			X	X	2	Department approval
X			AP Human Geography				X	2	
X			AP US Government & Politics				X	1	American History, or AP American History, and department approval
X	X		AP Macroeconomics			X	X	1	AP Economics (may be taken concurrently)
X			Contemporary Issues			X	X	1	
X	X		Economics		X	X	X	1	
X			Philosophy			X	X	1	
X			Psychology			X	X	1	
X			Urban Studies (Formerly Humanities)		X	X	X	1	
			<b>Mathematics</b>						
	X		AP Calculus AB				X	2	Precalculus Honors with a grade of B or higher each semester OR 300 PreCalc with A- or higher each semester and permission of the teacher
	X		AP Calculus BC				X	2	Precalc Honors with an A- or higher, permission of teacher & department approval
	X		AP Statistics			X	X	2	Precalculus Honors with a B or higher each semester; Precalculus with an A- or higher OR Precalculus with a B+ or higher with teacher and department approval
	X		College Math Topics			X	X	2	Alegbra 2 or Geometry
	X		Multivariable Calculus				X	2	AP Calc BC, permission of teacher and department approval
	X		Principles of Calculus			X	X	2	Precalc Honors with a grade of C or higher each semester OR 300 Precalculus with a B- or higher each semester, permission of teacher, and dept. approval
	X		Probability & Statistics			X	X	2	300 Alg 2 with C or higher each semester and department approval
			<b>Media Studies</b>						
X	X		Digital Journalism: A Blended Learning Model	X	X	X	X	1	Introduction to Media Studies (course may be repeated)
X	X		Introduction to Media Studies	X	X	X	X	1	
X	X	X	Video Broadcasting	X	X	X	X	1	(Formerly Video Production - Course may be repeated)
			<b>Music</b>						
X		X	AP Music Theory			X	X	2	Music Theory OR permission from Teacher
X		X	Chamber Choir Honors		X	X	X	2	Audition and department approval (Course may be repeated)
X		X	Concert Band	X	X	X	X	2	Recommendation from 8th grade Teacher, or audition and prior music experience (Course may be repeated)
X		X	Concert Choir	X	X	X	X	2	none (Course may be repeated)
X	X	X	Music Technology 1	X	X	X	X	1	none
X	X	X	Music Technology 2	X	X	X	X	1	Music Technology 1
X		X	Music Theory	X	X	X	X	1	none
X		X	Orchestra	X	X	X	X	2	Recommendation from 8th grade Teacher, or audition. Prior musical training on a string instrument is required. (Course may be repeated)
X		X	Chamber Orchestra Honors		X	X	X	2	Audition and department approval
X		X	Percussion Ensemble	X	X	X	X	2	Recommendation from 8th grade Teacher and prior music experience (Course may be repeated)
X		X	Wind Ensemble Honors		X	X	X	2	Audition and department approval (Course may be repeated)
			<b>Reading &amp; Study Skills</b>						
X			Reading & Study Skills	X	X	X	X	1 or 2	(Course may be repeated)
			<b>Science</b>						
	X		AP Biology			X	X	2	300 Bio with B+ or higher OR 400 Bio Honors with B or higher; AND 300 Chem with B+ or higher OR 400 Chem with B or higher or dept approval
	X		AP Chemistry			X	X	2	300 Chem with B or higher and dept approval OR 400 Chem Honors with B- or higher
	X		AP Environmental Science			X	X	2	300 Bio with B or higher OR 400 Bio Honors with B- or higher AND 300 Chem with B or higher OR Chem Honors with B- or higher
	X		AP Physics C Mechanics			X	X	2	400 Science with B or higher OR 300 Science with A- or higher and dept approval. Student must be enrolled in AP Calc (AB or BC)
	X		AP Physics C Electricity & Mag				X	2	AP Phy C Mech & AP Calc BC OR AP Calc AB and teacher permission. (Pre-req. may be taken concurrently)
	X	X	App. of Physics & Chem 1			X	X	1	Biology and Earth Science
	X	X	App. of Pyshics & Chem 2			X	X	1	Biology and Earth Science
	X		Authentic Science Research		X	X	X	6	Bio and writing sample/application - 3 Year course
	X		Botany			X	X	1	
	X		Chemistry		X	X	X	2	300 Algebra 1 with a grade of B- or higher.
	X		Chemistry Honors		X	X	X	2	300 Algebra 1 with a grade of B or higher & a previous 400-level science course with a grade of B or higher, or a previous 300-level science course with a grade of A.
	X		Earth Science		X	X	X	2	Bio
	X		Science of Forensic Investigation			X	X	1	Bio

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	X		Marine Science			X	X	1	Bio with C+ or hgher OR permission from teacher/dept
	X		Modern Physics			X	X	1	Physics, or Physics Honors, or AP Physics
	X		Neuroscience & Biopsychology			X	X	1	Bio and Chem. Psychology suggested
	X		Physics			X	X	2	Alg 1 and Geometry with a grade of B- or higher AND be taking, or have taken, Alg 2
	X		Physics Honors			X	X	2	300 Chem with a grade of A, OR 400 Chem Honors with a grade of B or higher, AND 300 Alg 2 with a grade of B or higher, or 400 Alg 2 Honors with a grade of B- or higher
	X		STEM Design & Innovation			X	X	1	2 years of science(including Biology and Chem/Earth Science) AND 2 years of math (including Geometry)
			<b><u>Special Programs</u></b>						
			IDEA Program	X				2	8th grade IDEA and committee approval - .5 credits for year (.25 each semester)
			Independent Study		X	X	X	1 or 2	application/plan/approval
X			US China Exchange		X	X	X	2	application/recommendation/interview
			<b><u>Technology &amp; Engineering</u></b>						
	X	X	App. of Physics & Chem 1			X	X	1	Biology and Earth Science
	X	X	App. of Pyshics & Chem 2			X	X	1	Biology and Earth Science
	X	X	Architecture 1	X	X	X	X	1	
	X	X	Architecture 2	X	X	X	X	1	Architecture 1 (Course can be repeated)
	X	X	CADD (Computer Aided Drafting & Design)	X	X	X	X	1	(Previously called Drafting)
	X	X	DIY (Do It Yourself)	X	X	X	X	1	
	X	X	Electronics	X	X	X	X	1	
	X	X	Fundamentals of Engineering	X	X	X	X	1	
	X	X	Independent Projects in Engineering			X	X	4	
	X	X	Principles of Engineering	X	X	X	X	1	Fundamentals of Engineering
	X	X	Woodworking 1	X	X	X	X	1	
	X	X	Woodworking 2	X	X	X	X	1	WoodWorking 1. Students can take this course multiple times
			<b><u>World Language</u></b>						
X			AP French Language & Culture			X	X	2	Fr 4H with B or Fr 4 with A and permission (both). A placement test and additional work may also be required
X			AP Spanish Language & Culture			X	X	2	Sp 4H with B or Sp 4 with A and permission (both). A placement test and additional work may also be required
X			French 1	X	X	X	X	2	
X			French 2	X	X	X	X	2	Fr 1 with C or higher
X			French 2 Accelerated	X	X	X	X	2	Fr 1 with A and permission
X			French 3		X	X	X	2	Fr 2 with C or better
X			French 3 Honors		X			2	Fr 2A with B OR Fr 2 with A and permission (both). Placement test and additional work may also be required.
X			French 4			X	X	2	Fr 3 with C or better
X			French 4 Honors			X	X	2	Fr 3H with B and permission OR Fr 3 with A and permission. Placement test and additional work may also be required.
X			French 5			X	X	2	Fr 4 with C or dept approval
X			Latin 1	X	X	X	X	2	none
X			Latin 2		X	X	X	2	Latin 1 with C or higher
X			Latin 3			X	X	2	Latin 2 with C or higher
X			Latin 4			X	X	2	Latin 3 with C or higher
X			Mandarin Chinese 1	X	X	X	X	2	none
X			Mandarin Chinese 2		X	X	X	2	Mandarin Chinese 1 with a grade of C or higher
X			Mandarin Chinese 3		X	X	X	2	Mandarin Chinese 2 with a grade of C or higher
X			Mandarin Chinese 3 Honors		X	X	X	2	Mandarin 2 with a grade of A or higher and permission. Placement test and additional work may also be required.
X			Mandarin Chinese 4		X	X	X	2	Mandarin Chinese 3 with a grade of C or higher
X			Mandarin Chinese 4 Honors		X	X	X	2	MC 3H with B or higher OR MC 3 with A and permission. Placement test and additional work may also be required.
X			Spanish 1	X	X	X	X	2	
X			Spanish 2	X	X	X	X	2	Spanish 8 with a grade of B- or lower & recommendation of the sending teacher, or Spanish 1 with a grade of C or higher
X			Spanish 2 Accelerated	X	X	X	X	2	Sp 1 with A and permission
X			Spanish 3	X	X	X	X	2	Sp 2 with C or higher
X			Spanish 3 Honors		X			2	Sp 2A with B or higher OR Sp 2 with A and permission. Placement test and additional work may also be required.
X			Spanish 4			X	X	2	Sp 3 with C or higher
X			Spanish 4 Honors			X	X	2	Sp 3H with B or higher OR Sp 3 with A and permission. Placement test and additional work may also be required.
X			Spanish 5			X	X	2	Sp 4 with C or higher OR department approval

All core English, History, World Language = Humanities

All core Science, Math, Tech Ed = STEM