

SFHS Department Pathways Guide

Utilize the SFHS Department Pathways Guide to correctly plan and register for courses allowing students to:

- Plan for challenging coursework
- Plan for career paths in areas of interest

*Students are not "locked" into a sequence and should access their teacher, counselor, and/or parent as a guide in changing sequences.

Additional resources to be used in registration planning:

- 2019-20 Course Registration Book (online)
- Graduation Credit Requirements Guide
- Infinite Campus Academic Planner
 - Select course for next year and plan for future years
- Infinite Campus Course Registration
 - Review and add alternatives

Core Pathways

- Language Arts
- Math
- Science
- Social Studies

Elective Pathways

- Art
- Music
- Business and Marketing Education
- Physical Education (PE)
- Family and Consumer Science (FACS)
- Medical Careers
- World Languages
- Technical Education (Tech Ed)

Language Arts Department Pathways

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Sequence 1: (Most Rigorous)	Honors (MCA Scores & Teacher Rec)	Honors Eng 9* (MCA Scores) Electives: Focus on Drama Acting and Directing Creative Writing	AP Language & Composition Or Honors Eng 10 Electives: Focus on Drama Acting and Directing Creative Writing	AP Literature (APLang prereq) Or AP Language & Comp Electives: Focus on Drama Acting and Directing Creative Writing	CIS College Writing CIS College Rhetoric Or AP Literature (APLang prereq) Electives: Focus on Drama Acting and Directing Creative Writing Humanities
Sequence 2:	Standard	Standard English 9 Electives: Focus on Drama Acting and Directing Creative Writing	Honors Eng10 Or Standard English 10 Electives: Focus on Drama Acting and Directing Creative Writing	AP Lang & Comp Or Honors English Drama Honors English Media Production Honors English Yearbook Electives: Focus on Drama Acting and Directing Creative Writing	AP Lit (APLang prereq) Or AP Language & Comp Honors English Focus Drama Honors English Media Prod. Honors English Yearbook Electives: Focus on Drama Acting and Directing Creative Writing
Sequence 3:	Standard	Standard English 9 Electives: Focus on Drama Acting and Directing Creative Writing	Standard English 10 Electives: Focus on Drama Acting and Directing Creative Writing	Standard English 11 Or Honors English Drama Honors Eng Media Prod. Honors English Yearbook Electives: Focus on Drama Acting and Directing Creative Writing	Standard English 12 Or Honors English Drama Honors English Media Prod. Honors English Yearbook Electives: Focus on Drama Acting and Directing Creative Writing

Math Department Pathways

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
Sequence 1: (Most Rigorous)	Honors Geometry	Honors Algebra 2 (4100/4102)	AP Statistics (4380/4381) Or College Alg (4605) AND College Trig(4600)	College Algebra (4605) AND College Trig (4600) Or AP Statistics (4380/4381) Or Trigonometry (4350) Advanced Math (4105)	College Calculus (4610/4612) Or College Algebra (4605) AND College Trig (4600)
Sequence 2:	Enriched Algebra	Honors Geometry (4940/4942)	Hon Algebra 2 (4100/4102)	Required: AP Statistics (4380/4381) Or Prob/Stat (4379) Electives: College Alg (4605) AND College Trig (4600) Or Trigonometry (4350) Advanced Math (4105)	Electives: College Calc (4610/4612) College Algebra (4605) AND College Trig (4600) Or Trigonometry (4350) Advanced Math (4105)
Sequence 3:	Standard Algebra	Quadratic Algebra 1 (4928/4930) AND Prob&Stats(4379)	Geometry (4000/4002)	Algebra 2 (4200/4202)	AP Statistics (4380/4381) Trigonometry (4350) Advanced Math(4105) College Algebra (4605) College Trig (4600)
Sequence 4		Quadratic Alg 1 (4928/4930)	Geometry(Yearlong)	Algebra 2 (Year Long)	Math Electives

Students placed based on test results (MCA/Explore/Etc.)	AND Prob&Stats(4379)	(4005/4011/4013) AND Prob&Stats(4379)	(4016/4017/4018)	Trigonometry (4350) Advanced Math (4105)
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Science Department Pathways				
	9th Grade	10th Grade	11th Grade	12th Grade
Sequence 1: <i>(Most Rigorous)</i>	Physical Science A AND Physical Science B	Biology	Advanced Placement Biology (AP Bio)(prereq-BioA/B) *recom. 12th gr. year Chemistry *recom. 11th gr. year Elective: CIS College Physics CIS College Biology (prereq-BioA/B) Anatomy & Physiology Forensic Science	
Sequence 2:	Physical Science A AND Physical Science B	Biology	Required: Earth & Space AND Required: Chemistry OR Physics or CIS College Physics Electives: CIS College Biology AND/OR CIS College Physics	
Sequence 3:	Physical Science	Biology	Earth & Space AND Chemistry OR Physics OR Conceptual Physics	Electives: MN Natural Sci./ Environmental Sci Anatomy & Physiology Forensic Science Chemistry / Physics CIS College Physics/College Biology
Sequence 4:	Physical Science	Biology	Earth & Space	Conceptual Physics

Social Studies Department Pathways				
	9th Grade	10th Grade	11th Grade	12th Grade
Sequence 1:	Civics or Honors Civics AND Geography	AP US History - Must be top 10% of the class	College Economics College Geography Electives: AP US History College Psychology Intro to Psychology Sociology Political Science	AP European History Electives: AP US History College Psychology Intro to Psychology Sociology Political Science
Sequence 2:	Civics or Honors Civics AND Geography	American History I and II	Economics AND Geography OR College Economics College Geography Electives: AP US History College Psychology Intro to Psychology Sociology/ Political Science	Modern World History Ancient World History OR AP European History Electives: AP US History College Psychology Intro to Psychology Sociology Political Science
Sequence 3:	Civics Geography	American History I and II	Required: Economics AND Geography Electives:	Required: Modern World History Ancient World History

			Intro to Psych./Sociology Political Science	Electives: Intro to Psych./ Sociology Political Science
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Art Department Pathways (Visual Arts)

Occupations/Majors where Visual Arts would be beneficial:	9th Grade	10th Grade	11th Grade	12th Grade
Occupation 1: Fine Arts <ul style="list-style-type: none"> ● Professional Artist ● Photographer ● Animator ● Illustrator ● Painter ● Sculptor / Ceramic Artist ● Accessory/Jewelry Designer Occupation 2: Design Arts <ul style="list-style-type: none"> ● Graphic Designer ● Advertising/Marketing ● Fashion Designer / Tattoo Artist ● Museum Exhibit Design ● Interior Designer ● Production / Set Designer ● Photographer Occupation 3: Technology Arts <ul style="list-style-type: none"> ● Game/App/Website Designer ● Multimedia Designer ● Motion Graphics Designer ● 3D Modeling/3D Animation ● Production Designer ● Graphic Design Occupation 4: Industrial Arts <ul style="list-style-type: none"> ● Architecture /Landscape Architect ● Engineering / Automobile Designer ● Industrial Designer/ Furniture Designer ● Art Therapy ● Medical Illustrator / Surgical Drawings ● Metal Fabricator /Woodworking 		Painting 1 (10-12th grade options)		
	Exploring Art & Design Drawing 1 Ceramics 1 Photography 1 Graphic Design 1	Drawing 2 Ceramics 2 Ceramics 3 Painting 2 Photography 2 Graphic Design 2 Sculpture		

Classes benefit many occupational choices and majors in various colleges, universities, and trade schools.

Music Department Pathway

Occupations/Majors music courses would benefit:	9th Grade	10th Grade	11th Grade	12th Grade
<ul style="list-style-type: none"> ● Music Educator, Private Lesson Instructor, Music Director (Church)/ Education ● Professional Musician/Music Performance ● Music Therapy/ Therapist ● Sound Engineer /Mixer ● Church Musician ● Music Composition/Composer 	9th Grade Choir/	Bel Canto/ Mixed Choir/	Honors Concert Choir/ Bel Canto	Honors Concert Choir/ Honors Madrigals
	Symphonic Band	Concert Band	Honors Wind Ensemble/ Concert Band	Honors Wind Ensemble

Other Benefits in taking Music: Recommended for four year college success. Provides options for participation in extracurricular activities. Travel opportunities for all students; develops creativity, critical thinking skills, and performance skills

in a large group setting; links to websites: www.stfrancisbands.com and www.stfrancischoirs.org

Business Department Pathways

Occupations/Majors business courses would benefit:	9th Grade	10th Grade	11th Grade	12th Grade
Accounting	Future's Prep AND Keyboarding	Small Business Management *College Introduction to Business available top 10% of class	Accounting I AND 1 of these: Personal Financial Mgmt. *College Intro. to Business (top 33% of class)	Future's Prep Finale AND College Intro. to Business
Marketing	Future's Prep AND Keyboarding	Small Business Management Web Design Keyboarding *College Introduction to Business available top 10% of class	Small Business Mgmt. AND 2 of these: Web Design Keyboarding *College Introduction to Business available top 33% of class	Future's Prep Finale College Intro. to Business AND 2 of these: Small Business Mgmt. Sports & Entertainment Marketing College Intro. to Business
Emerging Leaders and Entrepreneurs in Marketing, Finance, Hospitality and Management	DECA I DECA II	DECA III DECA IV AND 1 of these: Sports & Entertainment Marketing Personal Financial Mgmt. Keyboarding *College Introduction to Business available top 10% of class	Advanced DECA AND 2 of these: Small Business Mgmt. Sports & Entertainment Marketing Personal Financial Mgmt. Keyboarding *College Introduction to Business available top 33% of class	Future's Prep Finale College Intro. to Business Advanced DECA AND 2 of these: Small Business Mgmt. Sports & Entertainment Marketing Personal Financial Mgmt. Keyboarding

*Some courses are listed more than once for the purpose of flexibility. You may only take each course one time.

Physical Education Department Pathway

Occupations/ Major	9th grade	10th grade	11th grade	12th grade
Teaching	Strength & Conditioning Lifetime Activities	Strength & Conditioning Rec. Team Female Fitness	Fitness Training Accel. Power Volleyball	Strength and Conditioning Outdoor Adventure Racquet Sports
Personal Trainer	Strength and Conditioning	Strength and Conditioning	Fitness Training Accel. Power Volleyball	Strength and Conditioning
Physical Therapy	Strength and Conditioning	Rec. Team	Lifetime Activities	Fitness Training Accel. Power Volleyball Female Fitness
Coaching	Strength and Conditioning	Strength and Conditioning Rec. Team	Fitness Training Accel. Power Volleyball	Strength and Conditioning Racquet Sports Competitive Team

		Female Fitness		
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Family and Consumer Science (FACS) Department Pathway				
Occupations/Majors FACS courses would benefit:	9th Grade	10th Grade	11th Grade	12th Grade
Agriculture, Food & Natural Resources: <ul style="list-style-type: none"> • Food Photographer • Epidemiologist • Grocery Store Manager/Restaurant Manager • Chef/ Personal Chef/Caterer 	Discovery Foods Relationships & You (9-12th grade options)			
		You & Your Money (10-12th grade options)		
Engineering, Manufacturing, & Technology: <ul style="list-style-type: none"> • Agricultural Engineer • Food/Plant Scientist/ Food Safety Inspector 	World of Foods (9-12th grade option)			
		You & Your Money (10-12th grade options)		
Health Science Technology: <ul style="list-style-type: none"> • Athletic Trainer • Registered Dietitian / Health Services • Food Research & Development 	Foods for Life Relationships & You (9-12th grade options)			
		You & Your Money (10-12th grade options)		
Design & Merchandising: <ul style="list-style-type: none"> • Visual Merchandiser/ Tailoring/Costume Design • Interior Designer/Architect • Sales/Brand Rep/ Editorial Assistant • Marketing/Social Media Asst • Public Relations/Advertising • Fashion Designer/Buyer/Upholsterer 	Fashion Trends Housing & Interior Design Beginning Sewing Advanced Sewing Relationships & You (9-12th grade options)			
		You & Your Money (10-12th grade options)		
Human Services: <ul style="list-style-type: none"> • Counseling/ Therapist/ Early Childhood Services • Personal Care Services / Nurse • Teaching/ Social Work / Child Protection • Correction Services/ Retail Sales/Manager 	Relationships & You Teen & Family Issues (9-12th grade options)			
		Child Development Careers Theories of Child Development (10-12th grade options)		
Business Mgmt & Admin: <ul style="list-style-type: none"> • Banking/Mortgage Broker/ Real Estate/Loan Officer • Financial Management/Insurance Services • Marketing /Business Ownership 	Relationships & You (9-12th grade options)			
		You & Your Money (10-12th grade options)		

Medical Careers Pathway				
Occupations/Majors medical courses would benefit:	9th grade	10th grade	11th grade	12th grade
Medical Doctor/ Nursing RN, LPN, NAR Dentist/ Dental Hygienist/ Dental Assistant Physical Therapist/ Occupational Therapist Athletic Trainer/ Medical Assistant Surgical Technologist/ Medical Lab Technologist Histologist/ Forensic Scientist Biotechnologist /Dietician/ EMT/ Paramedic	Exploring Health Careers (9-12th grade)	Medical Terminology and/or CTEI Anatomy and Physiology	Medical Terminology and/or CTE Anatomy and Physiology	Disease Conditions and/or Nursing Assistant Registered (trimester 3 only)

Veterinary Science/ Mortuary Science Psychologist/ Social Worker			Disease Conditions	
Disease Conditions & Nursing Assistant courses require the following prerequisites: Medical Term and CTE Anatomy & Physiology.				

World Language Department Pathways

Occupations/Majors where World Language would be beneficial:	9th grade	10th grade	11th grade	12th grade
<ul style="list-style-type: none"> International Business Health Careers Communications Hospitality Engineering Military Service 	Spanish 1 German 1	Spanish 2 German 2	Spanish 3 German 3	College Spanish German 4
Other Benefits in taking World Language: <ul style="list-style-type: none"> Recommended for 4-year college options Better paying jobs 	<ul style="list-style-type: none"> Increased memory and creativity Broaden cultural understanding Improved SAT/ACT scores Expanded Travel Opportunities 			

Industrial Arts/ Technology Education/Engineering Pathways

Occupations/Majors where Tech. Ed. courses would be beneficial:	9th grade	10th grade	11th grade	12th grade
Construction: <ul style="list-style-type: none"> Contractor/ Plumber/Electrician Industrial Designer Interior Designer/ Artist/Artisan Pipefitter/ Carpenter Engineering/ Health & Safety Agricultural Careers Millwrights/Building Inspector 	*STEM-Ind. Tech *Wood Tech. *Basic Home Main. Power Mechanics Metal Tech. *Cabinetry *CAD Drafting	*Electrical Wiring *Cabinetry *Construction *Wood Tech. *Basic Home Main. *Welding and Fabrication *CAD Drafting	*CAD/CAM *Electrical Wiring *Cabinetry/ *WoodTech. *Construction *Advanced Cabinetry *Basic Home Main. Auto Maintenance *CAD Drafting	*CAD/CAM *Advanced Cabinetry *Electrical Wiring *Wood Tech. *Basic HomeMain. *Construction Auto Tech *Cabinetry
Manufacturing: <ul style="list-style-type: none"> Machinist/ Iron Worker Metal Fabricator/ Welder CNC Programer/ Metallurgist HVAC/ Health & Safety Industrial Engineer Designer/Manufacturing 	Metal Tech *Wood Tech. Power Mechanics Auto Maintenance General Metals *CAD Drafting	Welding&Fabrication *Electrical Wiring *CAD Drafting	Auto Body Tech Welding&Fabrication *Saints Manufacturing *CAD/CAM *CAD Drafting	Auto Body Tech. Welding & Fabrication Machine Tool Tech. *Saints Manufacturing *CAD/CAM
Transportation: <ul style="list-style-type: none"> Auto Mechanic/ Engineering Small Engine Repair Fleet Coordinator Marine Engineer Snowmobile/Motorcycle Repair Equipment Operator Health and Safety Materials Engineering 	Power Mechanics Auto Maintenance Metal Tech. *Basic Home Maintenance Power Mechanics General Metals *CAD Drafting	Auto Tech *Electrical Wiring Welding&Fabrication *CAD Drafting	Auto Tech Welding&Fabricatio College Adv. Auto *CAD/CAM	Auto Body Tech Machine Tool Tech. *CAD/CAM
Communications/Engineering: <ul style="list-style-type: none"> Drafting/Architect Aerospace Product Development Engineering/Industrial Designer Computer Systems 	*STEM-Ind. Tech. *Wood Tech. *Electrical Wiring *Construction Auto Tech Auto Body Tech.	Metal Tech. Power Mechanics *Cabinetry Welding and Fabrication *CAD/CAM Machine Tool Tech.	Saints Manufacturing (11-12th Grade)	

