

Course Sequence

2022-2023

Course	Year 1	Year 2	Year 3	Year 4
CORE Subject Areas				
English	English I Honors or English II Honors	English II Honors or English III AP/Dual	English III AP/Dual or English IV AP/Dual	English IV AP/Dual
Mathematics	Algebra I Honors or Geometry Honors	Geometry Honors or Algebra II Honors	Algebra II Honors or Pre-Calculus Honors/Dual	Pre-Calculus Honors/Dual Calculus AP or Statistics AP
Science	Biology Honors or Chemistry Honors	Chemistry Honors or Physics Honors or Environmental Science AP	Physics Honors or Biology AP or Chemistry AP or Physics 1 AP or Environmental Science AP	Biology AP or Chemistry AP or Physics 1 AP or Environmental Science AP
Social Studies	World Geography Honors	World History Honors/AP	U.S. History AP/Dual	U.S. Government AP (0.5) Economics AP (0.5)
Required Electives	Lifetime Fitness and Wellness Pursuits	Spanish II C.P. or Additional Elective or	Additional Electives: Art II Theater Arts II Photojournalism Newspaper I/II/III Yearbook I/II/III Humanities	Digital Media Digital Arts/Entertainment Psychology AP/Dual (0.5) Sociology C.P. (0.5) Sports Medicine PE Substitution Athletics 1
	Spanish I C.P. or Spanish II C.P.			
	Art I or Theatre Arts I or Choir I			
	Principles of Health Science and Medical Terminology			
Career & Technical Education				
Health Science				
Exercise Science and Wellness	Principles of Exercise Science and Wellness or Kinesiology I	Kinesiology I or Anatomy & Physiology	Anatomy & Physiology or Kinesiology II	Practicum in Entrepreneurship
	Certifications:	Certified Personal Trainer		
Healthcare Diagnostics	Principles of Health Science or Medical Terminology	Anatomy & Physiology and Physiology	Health Science Theory/Clinical and Pathophysiology	Practicum in Health Science
	Certifications:	EKG/ECG Technician, Phlebotomy Technician, Emergency Medical Technician - Basic		
Healthcare Therapeutic	Introduction to Dental Science or Dental Anatomy & Physiology	Dental Anatomy & Physiology or Anatomy & Physiology	Health Science Theory/Clinical or Pathophysiology	Practicum in Health Science
	Certifications:	Registered Dental Assistant National Entry Level Dental Assistant, Nitrous Oxide Sedation Monitoring Certification		
	Introduction to Pharmacy Science or Pharmacy I	Pharmacy I or Anatomy & Physiology	Health Science Theory/Clinical or Pathophysiology	Practicum in Health Science
	Certifications:	Certified Pharmacy Technician; Sterile Products and Antiseptic Technique; Surgical Technologist*		
	Principles of Health Science or Medical Terminology	Anatomy & Physiology	Health Science Theory/Clinical or Pathophysiology	Practicum in Health Science
	Certifications:	Clinical Medical Assistant (CCMA); Patient Care Technician		
Medical Therapy	Principles of Health Science or Medical Terminology	Medical Terminology or Allied Health Therapeutic Services	Health Science Theory/Clinical	Practicum in Health Science
	Certifications:	Limited Licensed Radiology Technologist*		
Health Informatics	Principles of Health Science or Medical Terminology	Business Info Management and Anatomy & Physiology	Health Informatics	Health Science Theory/Clinical and Math for Medical Professionals
	Certifications:	Medical Coding/Billing Specialist		
Nursing Science	Principles of Nursing and Medical Terminology	Anatomy & Physiology	Health Science Theory/Clinical and Pathophysiology	Practicum in Health Science and Practicum in Nursing
	Certifications:	Nursing Assistant		
Agriculture, Food, and Natural Resources				
Animal Science	Principles of Agriculture, Food, and Natural Resources	Small Animal Management/Equine Science	Advanced Animal Science	Veterinarian Medical Application/Lab
	Certifications:	Veterinarian Technician		
Science, Technology, Engineering, and Mathematics				
Biomedical Science	Principles of Biosciences or Biotechnology I	Biotechnology I and/or Medical Microbiology	Biotechnology II	Practicum in Science
	Certifications:	Medical Laboratory Assistant; Medical Laboratory Technician		
Human Services				
Health and Wellness	Principles of Human Services	Human Growth and Development and Medical Terminology	Applied Nutrition and Dietetics and Anatomy & Physiology	Practicum in Human Services or Practicum in Entrepreneurship
	Certifications:	Community Health Worker; Entrepreneurship and Small Business		
Concentrator: A student served by an LEA who has completed two or more courses for at least 2 credits in a single program of study				
Completer: A student served by an LEA who has completed 3 or more courses for 4 or more credits including an advanced course (level 3 or level 4) within an approved program of study				



Course Sequence

2022-2023

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CORE Subject Areas				
English	English I H	English II H	English III AP/D	English IV AP
Mathematics	Algebra I H or Geometry H	Geometry H or Algebra II H/D	Algebra II H/D or Pre-Calculus or Calculus AB or Statistics AP	Pre-Calculus H or Calculus AB or Calculus BC
Science	Biology H or Chemistry H	Chemistry H or Physics H	Physics H or Biology AP or Chemistry AP or Environmental Science AP	Biology AP or Chemistry AP or Environmental Science AP or Physics AP
Social Studies	Human Geography AP	World History AP	U.S. History AP/D	U.S. Government AP/ Economics AP
Required Electives	Lifetime Fitness and Wellness Pursuits Spanish I H or Spanish II H Principles of Health Science and Medical Terminology	Art I H or Art I D Spanish II H or Spanish III H or	Additional Electives: Art II AP Artificial Intelligence Comprehensive Wellness I & II Exercise Physiology Personal Financial Literacy	Psychology Dual (.5) Professional Communications (.5) Spanish Lang. AP or Spanish Lit. AP PE Substitution Athletics 1
Career & Technical Education				
Health Science				
Exercise Science and Wellness	Principles of Exercise Science and Wellness or Kinesiology I Certifications:	Kinesiology I or Anatomy & Physiology Personal Trainer	Anatomy & Physiology or Kinesiology II	Practicum in Entrepreneurship
Healthcare Diagnostics	Principles of Health Science or Medical Terminology Certifications:	Anatomy & Physiology and Pathophysiology EKG/ECG Technician, Phlebotomy Technician, Certified Ophthalmic Assistant, Emergency Medical Technician - Basic	Health Science Theory/Clinical	Practicum in Health Science/ Emergency Medical Technician - Basic
Healthcare Therapeutic	Introduction to Dental Science or Dental Anatomy & Physiology Certifications:	Dental Anatomy & Physiology or Anatomy & Physiology Registered Dental Assistant, National Entry Level Dental Assistant, Nitrous Oxide Sedation Monitoring Certification	Health Science Theory/Clinical or Pathophysiology	Practicum in Health Science
	Intro to Pharmacy Science or Pharmacy I Certifications:	Pharmacy I or Anatomy & Physiology Certified Pharmacy Technician, Sterile Products and Antiseptic Technique	Health Science Theory/Clinical or Pathophysiology	Practicum in Health Science
	Principles of Health Science or Medical Terminology Certifications:	Anatomy & Physiology and Pathophysiology Patient Care Technician, Clinical Medical Assistant, Ophthalmic Technician, Ophthalmic Scribe Certification	Health Science Theory/Clinical	Practicum in Health Science
	Principles of Health Science or Medical Terminology Certifications:	Medical Terminology or Allied Health Therapeutic Services Limited Licensed Radiology Technologist*, Physical Therapy Aide*	Health Science Theory/Clinical	Practicum in Health Science
	Principles of Nursing and Medical Terminology Certifications:	Anatomy & Physiology and Health Science Theory/Clinical License Vocational Nurse (LVN)*	Pathophysiology and Practicum I	Practicum II
Science, Technology, Engineering, and Mathematics				
Biomedical Science	Principles of Biosciences or Biotechnology I Certifications:	Biotechnology I and/or Medical Microbiology Medical Laboratory Assistant	Biotechnology II	Practicum in Science
Hospitality and Tourism				
Culinary Arts	Introduction to Culinary Arts or Culinary Arts Certifications:	Culinary Arts or Foundations of Restaurant Management Certified Fundamentals Cook, ServSafe Manager	Advanced Culinary Arts	Practicum in Culinary Arts

* Pending partnerships for accreditation

Concentrator: A student served by an LEA who has completed two or more courses for at least 2 credits in a single program of study

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South Texas ISD

Rising Scholars Academy

GRADES 6-8 | SAN BENITO

Course Sequence 2022-2023

Course	6th	7th	8th
CORE Subject Areas			
English	Language Arts 6 H <i>(meets every day)</i>	Language Arts 7 H <i>(meets every day)</i>	Language Arts 8 H <i>(meets every day)</i> or English I
Mathematics	Math 6 <i>(meets every day)</i>	Math 8 <i>(meets every day)</i> or Math 8 H	Algebra I <i>(meets every day)</i> or Algebra I H or Geometry H
Science	Life Science	IPC <i>(meets every day)</i>	Biology <i>(meets every day)</i>
Social Studies	Gr 6 Regions of the World	Gr 7 Texas History	Gr 8 US History
P.E./Fine Arts	Physical Education 6 and Technology Applications	Physical Education 7 and Foundations of Computer Science	Fine Art: Art or Music Choose two electives: Physical Education 8 or Spanish I or Career & Technology Pathway Course

Career & Technical Education

CTE Course offerings will be dependent on student course request on a yearly basis.

CTE Cluster	Program of Study	Level I CTE Course
Agriculture, Food and Natural Resources	Animal Science	Principles of Agriculture, Food and Natural Resources
Arts, Audio/Video Tech & Communications	Digital and Multimedia Arts Digital Communications	Principles of Arts, A/V Technology and Communications
Business, Marketing and Finance	Business Management Entrepreneurship Marketing and Sales	Principles of Business, Marketing and Finance
Health Science	Exercise Science and Wellness	Principles of Exercise Science & Wellness
	Health Informatics Healthcare Therapeutic Medical Therapy Nursing Science	Principles of Health Science
	Healthcare Therapeutic	Introduction to Pharmacy Science Introduction to Dental Science
Hospitality and Tourism	Culinary Arts	Introduction to Culinary Arts
Law and Public Service	Law Enforcement Legal Studies	Principles of Law, Public Safety, Corrections and Security
Manufacturing	Welding	Introduction to Welding
Science, Technology, Engineering & Mathematics	Cybersecurity	Foundations of Cybersecurity
	Engineering	Introduction to Engineering Design (PLTW)
	Programming & Software Dev	Foundations of Computer Science
Transportation, Distribution and Logistics	Automotive	Principles of Transportation System

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Course Sequence

2022-2023

Course	Year 1	Year 2	Year 3	Year 4
CORE Subject Areas				
English	English I Honors or English II Honors	English II Honors or English III AP or English III Dual (UT RHE 306/UT RHE 309) or English III Dual (STC 1301/1302)	English III AP or English III Dual (UT RHE 306/UT RHE 309) or English III Dual (STC 1301/1302)	English IV AP or English IV Dual (STC 2341/2321) or English IV (STC 1301/1302) or Advanced English Studies (See attached course options)
Mathematics	Algebra I Honors or Geometry Honors	Geometry Honors or Algebra II Honors	Algebra II Honors or Pre-Calculus Honors or Pre-Calculus Dual (STC Math 1414/2412) or Statistics HS	Pre-Calculus Honors or Pre-Calculus Dual (STC Math 1414/2412) or Calculus I AP or Calculus I Dual (STC Math 2413) or Calculus II AP or Calculus II Dual (STC Math 2414) or Statistics AP or Statistics Dual (STC Math 1442)
Science	Biology Honors and Chemistry Honors or Chemistry Honors and Science Elective	Chemistry Honors or Physics Honors	Physics Honors or Biology AP or Chemistry AP or Physics I AP or Environmental Science AP or Earth and Space Science Dual or Environmental Systems	Science Electives: Biotechnology or Biology AP or Chemistry AP or Physics I AP or Physics II AP or Physics C AP or Environmental Science AP or Earth and Space Science Dual (UT GEO 302E) or Environmental Systems or Principles of Biomedical Science
Social Studies	World Geography Honors	World History AP	US History AP or US History Dual (UT HIS 315K/315L)	U.S. Government AP/ Economics AP
Required Electives	Lifetime Fitness and Wellness Pursuits Spanish I H or Spanish II H	Art I H or Choir 1 Spanish II H or Spanish III AP or Spanish IV AP	P.A.E. 2 - Program of Academic Excellence via Externships (3rd year course option) Selected via application process Introductions to Unmanned Aerial Vehicles (UAV) / Robotics I (1 yr course 11th or 12th, must be 16 yrs old) Certification: Part 107 Remote Drone Pilot	Additional Electives: Art II Sculpture I Art II Drawing Digital Art & Media I Dual Dimensional Design Portfolio Dual Aerobic Activities Advanced Yearbook I Advanced Yearbook II Robotics and Animation PE Substitution Athletics 1
Career & Technical Education				
Science, Technology, Engineering, and Mathematics				
Cybersecurity	Fundamentals of Computer Science or Foundations of Cybersecurity	AP Computer Science Principles	Computer Science A AP	Cybersecurity Capstone
	Certifications:	CompTIA A+ * and/or; Compu TIA IT Fundamentals+		
Engineering	Introduction to Engineering Design	Digital Electronics	Engineering Science (Principles of Engineering)	Engineering and Design & Development and Computer Integrated Manufacturing or Aerospace Engineering or Civil Engineering & Architecture
	Certifications:	Autodesk Certified Professional User (ACU)-Inventor		
Programming and Software Development	Fundamentals of Computer Science or AP Computer Science Principles	Computer Science Principles AP or Computer Science A AP	Computer Science A AP or Computer Science II	Computer Science II or Computer Science III
	Certifications:	Microsoft Technology Associate Intro. To Programming Using Python, HTML, or CSS and/or Microsoft Technology Associate Intro. To Programming Using Java or Java Script		
Transportation, Distribution, and Logistics				
Automotive	Small Engine Technology	Small Engine Technology II	Automotive Technology I	Practicum in Transportation Systems/Ext. Practicum in Transportation
	Certifications:	Automotive Service Excellence (ASE) Entry Level		
Manufacturing				
Welding	Introduction to Welding	Welding I	Welding II	Practicum in Manufacturing or Career Preparation I
	Certifications:	AWS Certified Welder and/or; AWS D1.1 Structural Steel and/or; AWS D9.1 Sheet Metal		
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South Texas ISD

**Preparatory
Academy**

GRADES 6-8 | EDINBURG

Course Sequence

2022-2023

Course	6th	7th	8th
CORE Subject Areas			
English	Language Arts 6 H	Language Arts 7 H	Language Arts 8 H
Mathematics	Math 6	Math 8	Algebra I
Science	Life Science	IPC	Biology
Social Studies	Gr 6 Regions of the World	Gr 7 Texas History	Gr 8 US History
P.E./Fine Arts	Physical Education 6	Physical Education 7	Fine Art or Foreign Language
Required Electives	Technology Applications	Fundamentals of Computer Science or Fine Arts	Gateways to Technology Principles of Health Science Technology Athletics 8
Career & Technical Education			
CTE Course offerings will be dependent on student course request on a yearly basis.			
CTE Cluster		Program of Study	Level I CTE Course
Agriculture, Food and Natural Resources		Animal Science	Principles of Agriculture, Food and Natural Resources
Arts, Audio/Video Tech & Communications		Digital and Multimedia Arts Digital Communications	Principles of Arts, A/V Technology and Communications
Business, Marketing and Finance		Business Management Entrepreneurship Marketing and Sales	Principles of Business, Marketing and Finance
Health Science		Exercise Science and Wellness	Principles of Exercise Science & Wellness
		Health Informatics Healthcare Therapeutic Medical Therapy Nursing Science	Principles of Health Science
		Healthcare Therapeutic	Introduction to Pharmacy Science Introduction to Dental Science
Hospitality and Tourism		Culinary Arts	Introduction to Culinary Arts
Law and Public Service		Law Enforcement Legal Studies	Principles of Law, Public Safety, Corrections and Security
Manufacturing		Welding	Introduction to Welding
Science, Technology, Engineering & Mathematics		Cybersecurity	Foundations of Cybersecurity
		Engineering	Introduction to Engineering Design (PLTW)
		Programming & Software Dev	Foundations of Computer Science
Transportation, Distribution and Logistics		Automotive	Principles of Transportation System
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Course Sequence

2022-2023

Course	6th	7th	8th	9th	10th
CORE Subject Areas					
English	ELAR 6 or ELAR 6 Honors <i>Everyday block schedule</i>	ELAR 7 or ELAR 7 Honors <i>Everyday block schedule</i>	ELAR 8 or ELAR 8 Honors <i>Everyday block schedule</i>	English I or English I Honors <i>Everyday block schedule</i>	English II or English II Honors <i>Everyday block schedule</i>
Mathematics	Math 6 or Math 6 Honors	Math 7 or Math 7 Honors	Math 8 or Algebra I or Algera I Honors	Algebra I or Algebra I Honors or Geometry or Geometry Honors	Geometry or Geometry Honors or Algebra II or Algebra II Honors
Science	Science 6 or Science 6 Honors	Science 7 or Science 7 Honors	Science 8 or Science 8 Honors or Biology or Biology Honors	Biology or Biology Honors	Chemistry or Physics
Social Studies	Social Studies 6 or Social Studies 6 Honors	Social Studies 7 or Social Studies 7 Honors	Social Studies 8 or Social Studies 8 Honors	World Geography or World Geography Honors	World History or World History Honors
Electives	Technology App 6 Physical Education 6	Technology App 7 Physical Education 7	Lifetime Fitness and Wellness Pursuits	Lifetime Fitness and Wellness Pursuits	<u>Electives 9th-10th grades:</u> Spanish AP Psychology AP Yearbook I Animation I
	Middle School Art 1	Middle School Art 2 Spanish I	Art 1 Fundamentals of Computer Science Spanish II	Art 1 or Art 2	
Career & Technical Education					
Business Management	8th	9th	10th	11th	12th
	Principles of Business, Marketing and Finance	Business Information Management I	Business Information Management II	Business Management	Practicum in Business Management
	Certifications:	Microsoft Office Specialist or Expert - Excel, Microsoft Office Specialist or Expert - Word			
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Course Sequence

2022-2023

Course	Year 1	Year 2	Year 3	Year 4
CORE Subject Areas				
English	English I Pre-IB or English II Pre-IB	English II Pre-IB or English III Pre-IB	English III Pre-IB or English III IB Y1 SL/HL or English III Dual	IB English IV SL/HL or English IV Dual
Mathematics	Algebra I Pre-IB or Geometry Pre-IB	Geometry Pre-IB or Algebra II Pre-IB	Algebra II Pre-IB or Pre-Calculus Pre-IB or Calculus Pre-IB or Statistics Pre-IB or Math Applications IB Y1 SL/HL	Pre-Calculus Pre-IB or Calculus Pre-IB or Statistics Pre-IB or IB Math Applications Y2 SL/HL or Mathematics Dual
Science	Biology Pre-IB or Chemistry Pre-IB	Chemistry Pre-IB or Physics Pre-IB	Physics Pre-IB or Chemistry IB SL Y1 or Biology IB SL Y1	Chemistry IB SL Y2 or Biology IB SL Y2 or Env Systems & Sciences IB SL Y2
Social Studies	World Geography Pre-IB	World History Pre-IB	U.S. History Pre-IB or HOA IB Y1 HL	US Gov H/Economics H ** and HOA IB Y2 HL or Personal Finance Literacy or Advanced Social Studies Dual
Required Electives	Lifetime Fitness and Wellness Pursuits Spanish I Pre-IB or Chinese I or Spanish II Pre-IB	Art I or Theatre I or Band I /Choir I or Mariachi I Spanish II Pre-IB or Chinese II or Spanish III Pre-IB or Spanish IB SL/HL	Additional Electives: Art II/D Band II, III, IV/Choir II, III, IV Mariachi II, III, IV Photojournalism Theatre II, III, IV Yearbook I/Yearbook II UTRGV Arts 1301 PE Substitution Athletics 1	Additional IB Electives: IB Psychology SL/HL IB Visual Arts SL/HL IB Film SL/HL IB Philosophy SL/HL IB Sport, Health Science HL IB Theory of Knowledge
Career & Technical Education				
Law and Public Service				
Law Enforcement	Principles of Law, Public Safety, Corrections, and Security or Law Enforcement I	Law Enforcement I or Law Enforcement II	Forensic Psychology or Forensic Science	Practicum in Law, Public Safety Corrections, and Security
	Certifications:	Non-Commissioned Security Officer Level II *		
Legal Studies	Principles of Law, Public Safety, Corrections, and Security or Court Systems & Practices	Court Systems & Practices or Business Law	Legal and Research Writing	Practicum in Law, Public Safety Corrections, and Security
	Certifications:	Paralegal Associate's Degree *		
Arts, Audio/Video Technology, and Communications				
Design and Multimedia Arts	Principles of Arts, A/V Technology, and Communications or Video Game Design	Graphic Design and Illustration I/Lab	Graphic Design and Illustration II/Lab	Practicum in Graphic Design and Illustration
	Certifications:	Adobe Certified Professional		
Digital Communications	Principles of Arts, A/V Technology, and Communications or Professional Communications	Audio/Video Production I/Lab	Audio/Video Production II/Lab	Practicum in Audio/Video Production
	Certifications:	Apple Final Cut Pro X *		
Business, Marketing, and Finance				
Business Management	Business Information Management I	Business Information Management II	Business Management	Practicum in Business Management
	Certifications:	Microsoft Office Specialist or Expert - Excel, Microsoft Office Specialist or Expert - Word		
Entrepreneurship	Business Information Management I	Entrepreneurship	Mobile Application Development	Practicum in Entrepreneurship
	Certifications:	Entrepreneurship and Small Business *, Microsoft Office Specialist or Expert - Excel, Microsoft Office Specialist or Expert - Word		
Marketing & Sales	Principles of Business, Marketing, and Finance or Sports & Entertainment Marketing	Virtual Business Marketing	Social Media Marketing	Practicum in Marketing
	Certifications:	Entrepreneurship and Small Business *, Microsoft Office Specialist or Expert - Excel, Microsoft Office Specialist or Expert - Word		
Hospitality and Tourism				
Culinary Arts	Introduction to Culinary Arts or Culinary Arts	Culinary Arts or Foundations of Restaurant Management	Advanced Culinary Arts	Practicum in Culinary Arts
	Certifications:	Certified Fundamentals Cook *, ServSafe Manager		

* Pending partnerships for accreditation

** Qualifying students can take Government and Economics during the summer between Junior and Senior year to open their schedule for more electives.

IB Diploma students must take the following HL classes: English III/IV, History of the Americas and the chosen IB Elective.

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