

SRHS STEM Pathways of Study

Pathway	Grade	Pathway Sequence	Course Name
Earth & Space Systems Elective Suggestions: <ul style="list-style-type: none"> • Aerospace Engineering • AP Physics I & II 	10	Pathway I	STEM AP Environmental Science <i>or</i> STEM Aeronautics 1
	11	Pathway II	Honors Earth & Space Missions
	12	Pathway III	STEM Research & Data Analysis (RDA)
Computer Science & Theoretical Applied Mathematics Elective Suggestions: <ul style="list-style-type: none"> • Digital Electronics 	10	Pathway I	STEM AP Computer Science
	11	Pathway II	Honors Mathematical & Scientific Modeling <i>and</i> Honors Parallel Computing (one class each semester)
	12	Pathway III	STEM Research & Data Analysis (RDA)
Materials Science & Nanotechnology Elective Suggestions: <ul style="list-style-type: none"> • Environment in Society • AP Chemistry 	10	Pathway I	STEM AP Computer Science
	11	Pathway II	Honors Materials Science <i>and</i> Honors Nanotechnology Explorations (one class each semester)
	12	Pathway III	STEM Research & Data Analysis (RDA)
Project Lead the Way Engineering Elective Suggestions: <ul style="list-style-type: none"> • Aerospace Engineering • Civil Engineering and Architecture • Aeronautics 	10	Pathway I	STEM Engineering Designs
	11	Pathway II	STEM Digital Electronics <i>and</i> STEM Aerospace Engineering <i>or</i> Civil Engineering and Architecture
	12	Pathway III	STEM Engineering Design and Development (EDD)
Green Technologies Elective Suggestions: <ul style="list-style-type: none"> • Materials Science • Nanotechnology Explorations 	10	Pathway I	STEM AP Environmental Science
	11	Pathway II	Honors Environment in Society
	12	Pathway III	STEM Green Technologies Capstone <i>or</i> STEM Research & Data Analysis (RDA)