

AGRICULTURE & NATURAL RESOURCES

The mission of Poudre’s Agriculture Education Pathway is to expose students to the ever-growing agriculture industry. Utilizing hands-on, project-based curriculum, students have the opportunity to learn about agriculture in a variety of contexts including animal sciences, plant sciences, natural resources, and agricultural mechanics. Students will gain a strong foundation in STEM skills such as inquiry, collaboration, and innovation to better prepare them to be productive citizens of the 21st Century.

	Graduation Requirements	9 TH GRADE	10 TH GRADE	11 TH GRADE	12 TH GRADE
ACADEMIC CORE	Social Studies (35)	MYP World Geography & History 1 <i>or Honors MYP World Geography & History 1</i>	MYP World Geography & History 2 <i>or Honors MYP World Geography & History 2</i> <i>or AP Human Geography</i>	US History or Economics <i>or AP US History</i>	American Government** <i>or Economics or AP US Government or AP Modern European History</i>
	Language Arts (40)	MYP English 9 <i>or Honors MYP English 9</i>	MYP English 10 <i>or Honors MYP English 10</i> <i>or Pre-AP World Lit & Comp</i>	US Literature or AP Lang & Comp <i>or AP Lit & Comp or British Literature</i>	Modern Lit or AP Lit & Comp <i>or Creative Writing or Intro to Literature/Advanced Comp**</i>
	Math (30)	MYP Algebra 1 <i>or MYP Geometry or MYP Algebra 2</i>	MYP Geometry <i>or MYP Algebra 2 or College Algebra** or Pre-Calculus**</i>	MYP Algebra 2 <i>or College Algebra** or College Trig** or Pre-Calculus** or AP Calculus AB** or AP Statistics</i>	College Algebra** <i>or Discrete/Data Analysis or College Trig** or Pre-Calculus** or AP Calculus AB** or AP Calculus BC** or AP Statistics</i>
	Lab Science (30)	MYP 21 st Century Science Lab <i>or Honors MYP Biology</i>	MYP Biology <i>or ESS or Chemistry** or Physics</i>	MYP Biology <i>or ESS or Chemistry*** or Physics</i> Animal Science <i>or Plant & Soil Science or Natural Resources</i>	Chemistry** <i>or Physics or Animal Science or Plant & Soil Science or Natural Resources or AP Biology or AP Chemistry or AP Environmental Systems or Forensic/CSI or Anatomy or Cell Bio or Organic Chemistry</i>
TECHNICAL CORE		Ag, Foods, & Natural Resources	Agricultural Science	Animal Science <i>or Plant & Soil Science or Natural Resources or Ag Mechanics</i>	Agriculture Capstone <i>or FRCC Career Pathways (Animal Technology & Research; Welding & Metal Fabrication; Wildlife, Forestry, & Natural Resources; Practical Mechanics)</i>
SAE		The supervised agricultural experience (SAE) is a required component of a total agricultural education program and intended for every student 9-12. Through their involvement in the SAE program, students are able to consider multiple careers and occupations, learn expected workplace behavior, develop specific skills within an industry, and are given opportunities to apply academic and occupational skills in the workplace or a simulated workplace environment. Through these strategies, students learn how to apply what they are learning in the classroom as they prepare to transition into the world of college and career opportunities.			

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WORLD LANGUAGES	(10)	Spanish 1 or French 1 or German 1	Spanish 2 or French 2 or German 2	<i>Spanish 3 or French 3 or German 3</i>	<i>Spanish 4** or French 4** or German 4**</i>
VISUAL & PERFORMING ARTS	(10)	Design Foundations of Art or Photo 1 or Web Design or Game Design or Journalism or MYP Theatre or Concert Band or Concert Orchestra or Women’s Choir or Men’s Choir or MYP Music Theory	Pottery or Jewelry or Drawing or Painting or Sculpture or Print Making or Creative Photo or Digital Design or Web or Design 2 or Videography or Adv. Acting and Production or Symphonic Band or PHS Jazz I or Chamber Orchestra or Select Women’s Choir or Select Choir	Adv. Pottery or Adv. Jewelry or Adv. Drawing or Adv. Painting or Adv. Photo or Adv. Digital Design or IB Art Year 1 or AP Art History or FRCC Theatre 105 or Theatre Practicum or Jazz 2 or Symphony Orchestra or PHS Special Edition or Wind Ensemble or Select Ensemble	IB Art & Design Year 2 or AP Studio Art or AP Art History or Yearbook or Kaleidoscope or IB DP Theatre HL or Stagecraft Capstone: Music Theatre Production or Theatre Practicum or PHS Jazz 2 or Symphony Orchestra or PHS Special Edition or Wind Ensemble or Select Ensemble
HEALTH & WELLNESS	(15)	Foods, Nutrition, & Wellness or MYP Physical Education 1	Beginning Weights or Aerobics or Beginning Dance or Team Sports or Team & Individual Sports	Adv. Weights or Adv. Dance or Adventure PE or Integrated PE or Body Sculpting	Advanced Weights or Advanced Dance or Sports Medicine or Adventure PE or Integrated PE or Body Sculpting
OPTIONAL ELECTIVES	(65)	Game Design or Business Econ or Intro to Computer Science or Engineering Explorations or Fashion Design or Stu Co	Business Management or Marketing or International Business or Game Design 2 or Catering 1 or Engineering Skills/Design or Robotics or Stu Co or GIS/GPS	Psychology or Sociology or Business Management or Marketing or International Business or Game Design 2 or Catering 2 or Engineering Skills/Design or Robotics or Stu-Co or Ambassadors	Yearbook or Kaleidoscope or Psychology or Sociology or Business Management or Marketing or International Business or Game Design 2 or Catering 2 or Engineering Skills/Design or Stu-Co or Ambassadors
POST-SECONDARY PREP	(5)	MYP Freshman Seminar	Career & Financial Planning or Finance or Financial Life Management and/or AVID 10	Advisory 11	Advisory 12

*Completed in the technical core, can also count as a Lab Science

**This course also has the opportunity for concurrent enrollment credit