A.3.2 Course Offerings and Graduation Requirements

PIE-AZ will require all high school students to pass 22 credits in order to graduate high school. PIE-AZ's graduation requirements are aligned with the Arizona's high school graduation requirements, as shown in Table A.3.2.1 below.

TABLE A.3.2.1 COMPARISON OF HIGH SCHOOL GRADUATION REQUIREMENTS

Subject Area	**AZ Graduation Requirements**	**PIE-AZ Requirements**
English	4 credits	4 credits
Mathematics	4 credits	4 credits
Social Studies	3 credits	3 credits
Science	3 credits	3 credits (including 2 lab science courses)
Fine Arts	1 credit	1 credit
Elective/Other	7 credits	7 credits
Total Credits	22 credits	22 credits

Arizona state law requires all high school students to earn at least one CTE/Vocational Ed. or Fine Art credit and seven elective credits in order to graduate. Fifth Arrow students will fulfill the Fine Arts credit and the seven other electives will count toward Arizona's "electives" requirement. Additionally, all foreign languages will count toward the state electives requirement.

A. Course of Study

All courses at Fifth Arrow will be based on Arizona's College and Career Ready Standards. The following chart shows the course of study and the format teachers will utilize to deliver coursework which meets the AZ high school graduation requirements.

TABLE A.3.2.2 COURSE OF STUDY FOR FIFTH ARROW STUDENTS

Subject Area	**Grade 9**	**Grade 10**	**Grade 11**	**Grade 12**
Core Courses				
English	**English I**	**English II**	**English III**	**English IV**
Standards	AZCCRS 9-10	AZCCRS 9-10	AZCCRS 11-12	AZCCRS 11-12
Credits	1.0	1.0	1.0	1.0

Instructional Method	Guided Independent Study or Small Group Instruction ("SGI")	Guided Independent Study or SGI	Guided Independent Study or SGI	Guided Independent Study or SGI
Mathematics	**Algebra I**	**Geometry**	**Algebra II**	**Pre-calculus**
Standards	AZCCRS 9-10	AZCCRS 9-10	AZCCRS 11-12	AZCCRS 11-12
Credits	1.0	1.0	1.0	1.0
Instructional Method	Guided Independent Study or SGI	Guided Independent Study or SGI	Guided Independent Study or SGI	Online Platform
Social Studies	**World History**	**US History**	**American Government (.5)/ Economics (.5)**	American Government (.5)/Economics (.5)
Standards	AZCCRS 9-10	AZCCRS 9-10	AZCCRS 11-12	AZCCRS 11-12
Credits	1.0	1.0	.5	.5
Instructional Method	Guided Independent Study or Online	Guided Independent Study or Online	Guided Independent Study or Online	
Science	**Biology**	**Chemistry**	**Earth Science**	**Physics** (optional)
Standards	AZCCRS 9	AZCCRS 10	AZCCRS 11	AZCCRS 12
Credits	1.0	1.0	1.0	1.0
Instructional Method	SGI	SGI	SGI	Online Platform
Electives				
	Art	**Health & Phys. Ed**	**Other Electives (up to 5 credits total)**	
Standards	AZCCRS 9-12	AZCCRS 9-12	AZCCRS 9-12	AZCCRS 9-12
Credits	1.0	1.0	5.0 Electives may include but are not limited to Foreign Languages (Spanish, French), as well as CTE/Vocational courses.	
Instructional Method	Online Platform	Online Platform	Online Platform	

*An advanced math option such as Pre-Calculus, Calculus, Statistics, or AP Calculus will be offered

online.

Courses that are offered through independent study or SGI may also include online modules, videos, textbooks, etc. Portions of courses, and in some cases complete courses in specific subjects, will be part of the PMG's online curriculum. All online materials will be aligned to Arizona College and Career Ready Standards and will meet students at a variety of ability levels.

B. Process and Criteria for Awarding Course Credit

Students earn credit by completing the course work based on the material covered and learned in relation to the Carnegie Standard, where 60 hours of student time equals .5 units. Successful completion of a course is determined by achieving mastery of the subject demonstrated through testing and completed work. Students receive credit for each successful completion (70% or higher) of each course. Their GPA is calculated by taking the total grade points from the completed classes and dividing them by the total credit hours. Credits may be earned for grades "A" to "C" in all courses. The standard credit is .5 units for each semester course passed. Physical Education and most elective courses are standard credit (.5 unit maximum per semester). The table below shows grading criteria where an average score of 70% in each unit or course indicates that a student has proficiency and may move onto the next unit.

TABLE A.3.2.3 PIE-AZ GRADING CRITERIA

Percent	Grade	Details
93-100	A	Superior achievement. The student has excelled; work is of exceptional quality and stands apart
85-92	B	Above average achievement. The student has done more than is expected of a student who satisfactorily completed the objectives.
75-84	C	Average achievement. The student has satisfactorily accomplished the objectives of the course.
70-74	D	Below average achievement. The student has poorly met the minimum requirements.
69 and below	F	Failure to meet the minimum requirements. No credit and no grade points will be awarded.

Students will have weekly appointments with their teachers to ensure that each student is on track to successfully complete coursework. If a student is struggling and/or needs additional assistance based on assessment scores, the general education teacher will assign or recommend tutoring. If a student does not meet the required minimum grade of "70%," on any unit or course, a parent-teacher-student meeting will be called. At this meeting, all parties will assess the student's needs and revise the Individualized Learning Plan to document the students' needs and required interventions. The teacher and EL specialist will evaluate whether or not the students' performance is connected to language issues or a disability. If a student needs additional intervention, such as special education services or ELL services, Fifth Arrow will provide the appropriate support and will adjust the student's ILP.

C. Consistency with Academic Systems Plan

Fifth Arrow will ensure that assessments and grading procedures are consistent with area II of the Academic systems plan.

D. Menu of Course Offerings

Listed below are the core courses required for graduation as well as descriptions of the electives offered by PIE-AZ. Our courses are being developed using the backwards design process and are designed to create college and career-ready thinkers and writers. These courses are consistent with Arizona state requirements for high school graduation.

I. English Language Arts

- English I: Students will survey various literary genres and will develop writing skills including narration, description, persuasion, creative writing and exposition through various written and oral assignments.

- English II: Students will analyze nonfiction writing and fiction literature, with an emphasis on authors' purpose and central idea of texts. Students will also implement new knowledge of grammar, proofreading, and revision rules into their writing.

- English III: Students will study American literature and will apply and evaluate a wide variety of fiction and non-fiction selections through thematic units centered on the historical context of the literary period. They will hone their craft in a variety of writing assignments utilizing refined knowledge of grammar, proofreading, and revision rules of writing.

- English IV: Students will analyze and evaluate a wide variety of Continental and British literature fiction selections from the Epic writings to modern literature. They will further develop critical thinking, comprehension, vocabulary analysis, and grammar skills through a reflective essay, an oral interpretation of a literary work, a historical investigation report, and a multimedia presentation.

II. Mathematics Courses

- Algebra I: Students will review essential pre-algebraic concepts and will study foundational algebraic concepts and reasoning, such as one and two variable and linear equations, graphing, quadratic functions, and roots and radicals

- Geometry: Students will study geometric concepts and reasoning, including logical proofs.

- Algebra II: Students will review key concepts in algebra one and will study advanced algebraic and trigonometric concepts.

- Pre Calculus: Students will study advanced algebraic reasoning and trigonometric concepts and reasoning in preparation for other advanced math courses.

III. Social Studies Courses

- World History I: Students will study the development of civilizations around the world from the Renaissance to the present. Major themes will include the development and influence of human-geographic relationships, political and social structures, economic systems, major religions and belief systems, the effects of science and technology, the vital role of the arts, and the importance of trade and cultural exchange.

- US History: Students will study the nation's history from the end of the Civil War to the present, including the emergence of the United States as an industrial nation, highlighting social policy as well as its role in modern world affairs.

- US Government: Students will study US government and civics, as well as Arizona state and local government.

- Economics: Students will study the fundamental properties of economics, including business and consumers in the marketplace.

IV. SCIENCE COURSES

- Biology: Students will study life science through hands-on wet labs, research and lab reports.

- Chemistry: Students will study chemical science through learning labs and lab reports.

- Earth Science: Students will study geology, oceanography, meteorology and astronomy through environmental learning labs and lab reports.

- Physics: Students will study physical science through learning labs and lab reports.

V. ELECTIVES

Electives will be offered every semester through an online platform. The following examples are possible elective offerings.

- Spanish 1: Students will study Spanish communication through reading writing and speaking basics.

- Spanish 2: Building on the foundation of Spanish I, Students will develop intermediate written and spoken Spanish communication skills.

- French 1: Students will study the foundations of French spoken and written language and will learn beginning communication skills.

- French 2: Building on the foundation of French I, students will develop intermediate written and spoken French communication skills.

- Advanced Math: Students will study advanced math principles and concepts , including statistics and calculus.

- Music: Students will be introduced to music theory and various genres of music from classical to contemporary.

- Art: Students will have an introduction to the art elements and principles, history and exposure to various artists and hands-on opportunities with art media.

- Health: Students will study wellness, health risks, personality, mental health, self-esteem, and expression of emotions. Students will also explore human reproduction, heredity and human development.

- Physical Education: Students will select activities suitable for physical fitness and lifelong recreation. Students must perform at least thirty minutes of an activity for it to count and also complete a research report on nutrition and healthy lifestyles.

- Sociology: Students will study sociology from the perspective of how people think and behave in relationships, groups, institutions and societies. Sociological concepts will be analyzed and evaluated through experiential learning trips and activities (i.e. Blackbird Farm and RMP Ranch).

- Career and Technical Education (CTE): Through a multitude of resources, students will plan post-secondary goals, explore various types of careers, research colleges and ways to support themselves, and will plan and enact a 10-year growth plan that is designed to get them from high school graduation into a rewarding career. Students will be able to visit colleges in the area.

E. Consistency with Program of Instruction and Alignment with Business Plan

In addition to meeting AZ's graduation requirements, Fifth's Arrow's courses are designed to increase achievement and life choices for our at-risk student population. The scope and sequence has been developed using the Understanding by Design Framework and focuses on sequential, rigorous learning with built in assessments and professional development. This process also helps to avoid the twin problems of textbook coverage and activity-oriented teaching in which no clear priorities and purposes are evident.

The resources and materials needed to fully implement the courses outlined are included in the business plan as part of the budget.