

APPENDIX A

AMENDMENT REQUEST AND SUPPORT MATERIALS

- 1. GRADE LEVEL CHANGE AND ENROLLMENT CAP AMENDMENT REQUEST**
- 2. AMENDMENT REQUEST DOCUMENTS**



Grade Level Change to Charter Amendment Request

Charterholder Info

Charter Holder Representative

Name:

Arizona Montessori Charter School at Anthem

CTDS:

07-89-91-000

Mailing Address:

41900 N 42nd Ave
Anthem, AZ 85086

[View detailed info](#)

Name:

Dameon Blair

Phone Number:

[REDACTED]

Downloads

[Download all files](#)

Current Grade Levels

Current Grade Levels Served

- Kindergarten
- 1st Grade
- 2nd Grade
- 3rd Grade
- 4th Grade
- 5th Grade
- 6th Grade
- 7th Grade
- 8th Grade

New Grade Levels

Identify the total grades to be served which include the current grades served and the new grades that are requested.

New Grade Levels Served

- Kindergarten
- 1st Grade
- 2nd Grade
- 3rd Grade
- 4th Grade
- 5th Grade
- 6th Grade
- 7th Grade
- 8th Grade
- 9th Grade
- 10th Grade

Curriculum Samples

[Download File](#) — Attached is the revised Algebra I curriculum sample for Arizona Montessori Charter School at Anthem dba Caurus Academy.

[Download File](#) — Attached is the revised Geometry curriculum sample for Arizona Montessori Charter School at Anthem dba Caurus Academy.

[Download File](#) — Attached is the Algebra II curriculum sample for Arizona Montessori Charter School at Anthem dba Caurus Academy.

[Download File](#) — Attached is the revised fourth year math, Financial Algebra curriculum sample for Arizona Montessori Charter School at Anthem dba Caurus Academy.

[Download File](#) — Attached is the revised Reading 9 curriculum sample for Arizona Montessori Charter School at Anthem dba Caurus Academy.

[Download File](#) — Attached is the revised Reading 10 for Arizona Montessori Charter School at Anthem dba Caurus Academy.

[Download File](#) — Attached is the revised Writing 9 for Arizona Montessori Charter School at Anthem dba Caurus Academy.

[Download File](#) — Attached is the revised Writing 10 for Arizona Montessori Charter School at Anthem dba Caurus Academy.

Effective Date

08/07/2018

Attachments

Board Minutes

[Download File](#) — Attached are the Arizona Montessori Charter School at Anthem dba Caurus Academy governing board minutes for the addition of 9th grade and 10th grade.

[Download File](#) — Attached are the Arizona Montessori Charter School at Anthem dba Caurus Academy governing board minutes for an enrollment cap increase.

Narrative — [Download File](#)

Additional Information

[Download File](#) — Attached is the Enrollment Matrix for Arizona Montessori Charter School at Anthem dba Caurus Academy.

[Download File](#) — Attached is the Staffing Chart for Arizona Montessori Charter School at Anthem dba Caurus Academy.

Enrollment Cap

Is an Enrollment Cap Increase being added to this request?

Yes, an Enrollment Cap Increase is also being requested.

From:

480

To:

730

Occupancy Documentation — [Download File](#)

Feedback

Feedback

Signature

Charter Representative Signature

Dameon Blair 01/04/2018

Arizona Montessori Charter School at Anthem
dba Caurus Academy

Narrative

Rationale

Arizona Montessori Charter School at Anthem, dba “Caurus Academy” has been serving the Anthem community for 13 years as a K-8 charter school. Currently there are only two high school options in Anthem; one traditional district high school (Deer Valley Unified School District, Boulder Creek) and one K-12 charter school (Great Hearts, Anthem Prep). According to Anthem print media, the local district high school is projected to be over capacity for the 2018-2019 school year with no intention of opening a new high school at this time. Feasibility studies indicate a need for more high school options in Anthem and the surrounding communities; the five-year projection for the population in the area is increasing at a rate of 1.34% annually from 2015 to 2020. Additionally, the recent and near-future building of eight new neighborhoods, such as Arroyo Norte, Stoneledge, and Circle Mountain Ranch, resulting in 1200 single family homes within a 10-mile radius of Caurus Academy will contribute to an increase in prospective students.

A Caurus Academy stakeholder survey administered in Spring, 2017 revealed a desire to add a third high school choice in Anthem. Caurus students and parents requested a continuation of the Caurus commitment to student success by offering an option that would serve students in grades 9-12. Following the stakeholder survey, a town hall meeting was held on May 18, 2017 with over 100 stakeholders in attendance. Taking this information into consideration, and to maintain sustainable growth, Caurus Academy will add grades 9 and 10 for the 2018-2019 school year with the intention of adding grades 11 and 12 in subsequent years thus becoming a K-12 charter school. We are awaiting finalization of A-F School Letter Grades and will proceed accordingly with the addition of grades 11 and 12.

The past three years, Caurus Academy has experienced a 135% growth in student enrollment, increasing from 170 students in August 2014, to 404 students in November 2017. Caurus Academy is also requesting an Enrollment Cap Increase from 480 students to 730 students to accommodate the addition of grades 9 and 10. This growth, along with increased test scores that include AzMERIT and AIMS Science, more community visibility, increased advertising and word of mouth, the school has exceeded the student enrollment goals of the Caurus Academy Five-Year Plan, all indicating support for the addition of grades 9 and 10. In addition, Caurus Academy has maintained the A-F School Letter Grade of an “A” as indicated in recent preliminary grading.

Staffing Plan

The Staffing Plan shows that Caurus Academy administration currently includes a Principal, Assistant Principal and a Curriculum and Academic Achievement Coordinator with the intention of hiring a Dean of Students for FY2019. Kindergarten through 8th grade staffing will remain the same as those grade levels reach capacity. The Staffing Plan for the 2018-2019 school year includes the addition of eight high school content specific teachers consisting of two Math teachers, two English teachers, one Science teacher, one Social Studies teacher, and two Elective teachers for both 9th and 10th grade. As student enrollment increases for FY 2020 and FY 2021, additional high school content specific teachers and specialty staff (Music, Art, PE, etc.) will be added each subsequent year as noted on the Staffing Chart in order to offer the courses listed in the Caurus Academy High School Course Offering Guide. The number of Special Education staff and paraprofessionals at Caurus Academy reflect the needs of the students enrolled. Based on past

trends of Special Education enrollment, it is projected that we will need an additional three staff members in this area.

Anecdotal information from satisfied middle school parents prompted the need to begin having discussions about the addition of grades 9 and 10. Target population needs, including current Caurus families and Anthem families looking for another high school option, are taken into consideration throughout the Caurus Academy hiring process. **Recruitment** efforts and plans to hire highly qualified and effective teachers are executed early in order to acquire the best candidates for Caurus Academy. **Recruitment** is done through attending the Grand Canyon University College of Education Career Expo, receiving recommendations from current professionals in the field of education, posting with the Arizona Department of Education job board and attending "The Great Arizona Teach In". Active teacher search engines such as Teachers-Teachers.com will be utilized. Caurus Academy actively partners with Arizona State University, Rio Salado and Grand Canyon University by opening classrooms to accommodate college students in education as they obtain practicum hours or fulfill student teaching which has contributed to the hiring of effective teachers for Caurus. The **hiring process** for new teachers, instructional staff, and additional staff consists of two or more interviews. The first interview takes place with the administrative team. The second, involves an interview team consisting of administration and select grade level teachers and office personnel. At appropriate times, 8th grade students are woven into the interview process.

Teachers, instructional and additional staff receive **professional development** beginning in July and August as well as throughout the school year. This **training** includes, but is not limited to areas such as, Galileo and formative assessment, new math and ELA curricula, employee handbook, key laws in Special Education and other required trainings. The Curriculum and Academic Achievement Coordinator, Grade level mentors, PLC (Professional Learning Community) groups and peer observation opportunities provide support to ensure new teacher success. Staff is also afforded opportunities to attend local and national conferences such as Eureka Math, Responsive Classroom and ELA Close Reading and trainings related to their content area or high school educational best practices. Specifically, teachers of grades 9 and 10 will receive training in test taking strategies for students along with trainings in AIMS Science, AzMERIT, and PSAT, and Arizona Civics Test.

Recruitment of administrators utilizes networking relationships including the Arizona Charter School Association, current professionals in the field who have an in-depth knowledge of Caurus Academy's mission and vision, and the Anthem community. **Hiring** for an administrative position is an extensive process which includes multiple interviews with a team consisting of current administration, select teachers and non-instructional personnel. Caurus employees who demonstrate expertise and leadership may be promoted from within to an administrative position if they are the best candidate. New administration **training** includes the same on-boarding as new teacher training as well as training with the current administration team. Additionally, leadership conferences such as the Arizona Charter School's Association Business Summit, National Charter School Conference and Independent Charter School Symposium, along with mentorship where appropriate are utilized.

Enrollment Justification

Growth trend over the past three years are as follows:

Aug. 2014	173	Percentage Increase
Aug. 2015	225	30%
Aug. 2016	302	34%
Aug. 2017	400	32%

A plan for meeting each year's enrollment targets became known as the Caurus Governing Board Five-Year Plan which included a 10% increase in enrollment each school year. As previously indicated in the above chart, enrollment targets were surpassed. Enrollment has more than doubled over the past three years due to double digit increase in test scores on AzMERIT as a result of the addition of highly effective teachers who are trained annually on data driven instruction, a commitment to relationships, technology and higher-level learning. This can be attributed to a new Principal, Dameon Blair, being hired for the 2014-15 school year and becoming the charter holder in 2016. Mr. Blair and his team examined school issues and assessed the needs of the school. He recruited and solidified a five-member governing board. Mr. Blair hired highly qualified, experienced teachers, promoted Caurus Academy in the community and devoted resources to advertise in the community to increase the school's visibility.

Monthly **advertisements** in local magazines (85086 and In & Out) and at area stores such as Fry's Market and Safeway, as well as a variety of articles written about Caurus Academy make the school visible and well known in the community. Caurus Academy students, staff, and families participate in community events such as the Anthem Veteran's Day Parade and Anthem Community Days. Social media avenues such as Facebook, Instagram, YouTube, Twitter and a new school application are used as advertising and recruitment tools by highlighting the celebrations of Caurus Academy. To extend efforts to reach the community, Caurus Academy has hired Qual and Quant marketing firm. Above all, data indicates that Caurus Academy word of mouth is the optimal way people learn about the school. As Caurus Academy has found success with the above-mentioned advertising and promotion, these efforts will continue and evolve to target the addition of grades 9 and 10.

With approximately 95% retention rates and continued growth the past three years, we anticipated 363 enrolled students in August 2017 and this number was surpassed with our current enrollment of 404 students (November 2017). Using historical and current enrollment data, **we anticipate 32 of the 34 current 8th grade students to matriculate to the high school.** According to the Spring 2017 stakeholder survey and intent to enroll forms collected following the Town Hall Meeting, several alumni expressed interest in returning to Caurus for 10th grade after attending other schools for 9th grade. **We recognize that most 10th grade students will be recruited from the community** and thus Caurus plans to contact alumni families as part of the recruitment process.

To reach the enrollment target for both the 9th and 10th grade, community recruitment plans include reaching out to local K-8 schools, current high school students and the Anthem Chamber of Commerce. Immediately following the approval of the Grade Level Change Amendment to our charter, we will strategically market to all eleven K-8 schools within a 10-mile radius of Caurus offering an infographic,

campus tours, and invites to monthly community events including Family Science Night, Art Walk and Science Fair. In addition, as a member of the Anthem Chamber of Commerce our intent is to use the Chamber as a conduit to reach local businesses, community stakeholders, and organizations who hold educational school of choice in high regard. Taking into consideration the overpopulation of the local district high school and the Anthem communities demand for a smaller high school educational climate that values safety, smaller class sizes, fostering of meaningful relationships, and experiential learning Caurus is poised to fill that need in the community.

Resources

In order to provide updated and quality **curriculum**, the 2016-17 school year brought a plethora of new resources to Caurus Academy which have been successfully implemented and renewed for the current, 2017-2018 school year, as well as subsequent school years. New math curricula, Eureka Math (K-12) and Performance Coach (3-12) were introduced and continued professional development on both are offered at the start of the school year as well as throughout the school year. ThinkCERCA (3-12), a reading and writing blended learning platform coupled with Engage NY (3-12) provides Caurus Academy with a well-rounded 9-12 ELA program. A plan to purchase reading materials such as novel class sets, informational text, and additional primary sources will enhance the ELA curriculum.

Additional content specific resources will be thoroughly researched and vetted by the Curriculum and Academic Achievement Coordinator along with grades 9 and 10 content specific teachers to ensure Arizona State Standards are being met. A variety of supplemental **resources for instruction** including math manipulatives, algebra tiles, lab equipment for Science, SMART Software resources to be used in conjunction with current SMART Boards and 10th grade AIMS science test preparation materials. Elective courses offered will require a unique set of resources including, but not limited to sports equipment for P.E., musical instruments and art supplies for fine art courses and technological resources for the yearbook and broadcasting classes.

New Chromebooks were purchased to allow technology advances of a 2:1 student to computer ratio to serve the K-8 population. Additional Chromebooks will be purchased to continue the 2:1 student to computer ratio for grades 9 and 10. **Galileo**, a formative assessment and practice software in the area of Math, ELA and Science, was purchased for student and teacher data driven instruction use. Additional licenses will be purchased to serve grades 9-10. From a resources standpoint, over the last two years Caurus Academy has experienced a high rate of enrollment growth (34% and 32%) and academic growth (22.4% and 21.2%) successfully and is prepared to meet and manage the challenges of continued growth.

Courses

The **courses offered** at Caurus Academy in grades 9 and 10 will meet Arizona College and Career Readiness Standards as well as Arizona high school graduation requirements. Students will be prepared for success on State testing requirements including AZMERIT and AIMS Science, Arizona Civics Test, along with standardized tests such as PSAT, ACT, SAT, and the ASVAB. Course descriptions for Math, English, Science, and Social Studies all align to Arizona state course codes for grade level specific descriptions and align to the Caurus Academy program of instruction by offering students exposure to experiences outside of the four walls of the classroom while still affording students a high level of academic rigor. Examples of these experiences include field trips both in state and out of state such as the Grand Canyon University Cadaver Lab and Arizona State Capitol and eventually in grade 11 a trip to Washington, D.C. Anticipated elective courses were selected based off results from stakeholder surveys, student and parent focus groups, and

will also be offered based on staffing. Although Caurus is only amending the charter to add grades 9 and 10, the included Caurus Academy High School Course offerings guide lists courses for grades 9-12. This is done in anticipation of both Caurus students and transfer students needing classes beyond their current enrolled grade level as well as the eventual addition of grades 11 and 12. With the addition of grades 11 and 12 Caurus Academy intends to offer West-MEC courses, Advanced Placement courses, and college dual enrollment courses.

Caurus Academy High School Course Guide

English Courses

English I 1 Credit

Prerequisites: Meets eligibility criteria

English I builds upon student's prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and includes the four aspects of language use: reading, writing, speaking, and listening. This course introduces and defines various genres of literature, with writing exercises linked to reading selections. This course meets Arizona high school graduation requirements and successfully prepares students for Arizona state standardized testing.

English II 1 Credit

Prerequisites: Completion of English I

English II offers a balanced focus on composition and literature. Students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message. This course meets Arizona high school graduation requirements and successfully prepares students for Arizona state standardized testing.

English II H 1 Credit

Prerequisites: Completion of English I with 80% or higher, Highly Proficient rating on English I AZ Merit Test

English II Honors is a course for advanced students with a focus on composition and literature. Students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message. This course meets Arizona high school graduation requirements and successfully prepares students for Arizona state standardized testing.

English III 1 Credit

Prerequisites: Completion of English II

English III continues to develop students writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which form the backbone of the writing assignments. Literary conventions and stylistic devices receive greater emphasis than in previous courses. This course meets Arizona high school graduation requirements and successfully prepares students for Arizona state standardized testing.

AP English Language and Composition H 1 Credit

Prerequisites: Completion of English II with 80% or higher, Highly Proficient rating on English II AZ Merit Test

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Language and Composition exposes students to prose written in a variety of periods, disciplines, and rhetorical contexts. This course emphasizes the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes. After completing this course, students will have the opportunity to take the Advanced Placement exam. This course meets Arizona high school graduation requirements and successfully prepares students for Arizona state standardized testing.

English IV 1 Credit

Prerequisites: Completion of English III

English IV blends composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Students primarily write multi-paragraph essays, but they may also write one or more major research papers. This course meets Arizona high school graduation requirements and successfully prepares students for Arizona state standardized testing.

AP English Literature and Composition H 1 Credit

Prerequisites: Completion of English III with 80% or higher, Highly Proficient rating on English III AZ Merit Test

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition enables students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing). After completing this course, students will have the opportunity to take the Advanced Placement exam. This course meets Arizona high school graduation requirements and successfully prepares students for Arizona state standardized testing.

Dual Enrollment English Composition (ENG 101 or ENG 102) 1 Credit

Dual enrollment credit is offered for specific courses. These courses are offered at Caurus Academy high school and taught by high school teachers with college certification that allows students to earn both high

school credit and college credit. Juniors and seniors may enroll in dual enrollment courses with prior approval and upon meeting dual enrollment admissions requirements.

College tuition fee associated with dual enrollment courses

Mathematics Courses

Algebra I 1 Credit

Prerequisites: Meets eligibility requirements

Algebra I includes the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations. This course meets Arizona high school graduation requirements and successfully prepares students for Arizona state standardized testing.

Geometry 1 Credit

Prerequisites: Completion of Algebra I

Geometry includes topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles. This course meets Arizona high school graduation requirements and successfully prepares students for Arizona state standardized testing.

Geometry H 1 Credit

Prerequisites: Completion of Algebra I with 80% or higher, Highly Proficient rating on Algebra I AZ Merit Test

Students apply alternate ways of reasoning mathematically, beyond Algebra 1, including analytical and spatial reasoning to more complex problems. They apply what they know about two-dimensional figures to three-dimensional figures in real-world context and deepen their understanding of shape and shape relationships. Students extend their understanding about linear functions and coordinate graphing to coordinate geometry. Students develop postulates, definitions, and theorems, as well as, deductive reasoning skills that can be applied to higher-level mathematical and real-world problems. This course meets Arizona high school graduation requirements and successfully prepares students for Arizona state standardized testing.

Algebra II 1 Credit

Prerequisites: Completion of Algebra I and Geometry

Algebra II includes the study of field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents. This course meets Arizona high school graduation requirements and successfully prepares students for Arizona state standardized testing.

Algebra II H 1 Credit

Prerequisites: Completion of Algebra I and Geometry with 80% or higher, Highly Proficient rating on Algebra I and Geometry AZ Merit Test

Algebra II includes the study of field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents. Students in honors Algebra 2 should have a very strong foundation in the mechanics and procedures of algebra. This honors course places a deeper emphasis on conceptual knowledge and application of concepts. It is designed for students committed to pursuing/studying the field of mathematics beyond high school. This course meets Arizona high school graduation requirements and successfully prepares students for Arizona state standardized testing.

Financial Algebra 1 Credit

Prerequisites: Completion of Algebra I, Geometry, and Algebra II

Financial Algebra is designed to develop a strong foundation in logical thinking and problem solving that will enable students to make data informed decisions regarding matters of money and finance in their daily lives. This course furthers the development of functions, which include linear, exponential, piece-wise, quadratics, and step functions. Other topics studied include measures of center and spread, graphical representations of data, principles of finance economics, amortization, supply and demand, revenue and profit functions, loans, compound interest and continuous interest, credit card debt, car ownership, and budgets. This course meets Arizona high school graduation requirements.

Pre-Calculus 1 Credit

Prerequisites: Completion of Algebra I, Geometry, and Algebra II

Pre-Calculus combines the study of Trigonometry, Elementary Functions, Analytic Geometry, and Mathematic Analysis topics as preparation for calculus. Topics include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity. This course meets Arizona high school graduation requirements.

Calculus 1 Credit

Prerequisites: Completion of Pre-Calculus

Calculus includes the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and mathematic analysis). This course meets Arizona high school graduation requirements.

AP Calculus AB H 1 Credit

Prerequisites: Completion of Pre-Calculus with 80% or higher, Highly Proficient rating on Algebra II AZ Merit Test

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems); and integral calculus (including antiderivatives and the definite integral). This course meets Arizona high school graduation requirements.

Science Courses

Integrated Science 1 Credit

Prerequisites: Meets eligibility requirements

Integrated Science is a lab course that draws upon the principles of several scientific specialties including earth science, physical science, biology, chemistry, and physics and organizes the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. This course uses appropriate aspects from each specialty to investigate applications of the theme. This course meets Arizona high school graduation requirements.

Earth Science 1 Credit

Prerequisites: Meets eligibility requirements

Earth Science is a lab course that offers insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, this course also explores oceanography, geology, astronomy, meteorology, and geography. This course meets Arizona high school graduation requirements.

Biology 1 Credit

Prerequisites: Completion of Integrated Science or Earth Science

Biology is a lab course that is designed to provide information regarding the fundamental concepts of life and life processes. Topics covered in this course include cell structure and function, general plant and animal physiology, genetics, and taxonomy. This course meets Arizona high school graduation requirements and successfully prepares students for Arizona state standardized testing.

Chemistry 1 Credit

Prerequisites: Completion of Biology and Algebra I

Chemistry is a lab science course that involves studying the composition, properties, and reactions of substances. This course focuses on the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied. This course meets Arizona high school graduation requirements.

Environmental Science 1 Credit

Prerequisites: Completion of Biology

Environmental Science is an interdisciplinary lab science course that combines information from multiple disciplines including biology, chemistry, physics, and geology, to understand and evaluate the nature and scope of current environmental issues such as resource depletion, extinction, and pollution. Students will utilize scientific principles and methods to explore and understand the interrelationships of the natural world, analyze local and global environmental issues, evaluate associated risks and examine alternative solutions. This course meets Arizona high school graduation requirements.

Human Anatomy and Physiology 1 Credit

Prerequisites: Completion of Biology

This lab course presents the human body and biological systems in extensive detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous), and may dissect mammals. Students will visit the Grand Canyon University Cadaver lab as a part of this course. This course meets Arizona high school graduation requirements.

Social Studies Courses

Geography 1 Credit

Prerequisites: Meets eligibility requirements

World Geography is an overview of world geography, but may vary widely in the topics they cover. Topics include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas. Students participate in service learning projects as an integral portion of this course. This is a social studies elective course.

World History 1 Credit

Prerequisites: Meets eligibility requirements

World History is an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. This course includes geographical studies, but often these components are not as explicitly taught as geography. This course meets Arizona high school graduation requirements.

American/ Arizona History 1 Credit

Prerequisites: Completion of World History

U.S. History is an overview of the history of the United States, examining time periods from discovery or colonialism through World War II and after. This course includes a historical overview of political, military, scientific, and social developments along with the history of the North American peoples before European settlement. Students have the opportunity to participate in a trip to Washington, D.C. upon completion of this course. This course meets Arizona high school graduation requirements and successfully prepares students for Arizona state standardized testing.

AP United States History 1 Credit

Prerequisites: Completion of World History and English II with 80% or higher

Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critically problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past. Students have the opportunity to participate in a trip to Washington, D.C. upon completion of this course. This course meets Arizona high school graduation requirements and successfully prepares students for Arizona state standardized testing.

American Government ½ Credit

Prerequisites: Completion of American/ Arizona History

American Government is an overview of the structure and functions of the U.S. government and political institutions and examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. This course also examines the structure and function of state and local governments and will cover certain economic and legal topics. This course meets Arizona high school graduation requirements.

Economics ½ Credit

Prerequisites: Completion of American/ Arizona History

Economics is an overview of economic principles with primary emphasis on the principles of microeconomics and the U.S. economic system. Topics covered include principles of macroeconomics, international economics, and comparative economics. Economic principles will be presented in formal theoretical contexts, and applied contexts. This course meets Arizona high school graduation requirements.

Fine Arts Courses**Art 1 Credit**

Fee: \$25

Prerequisites: Meets eligibility requirements

This course provides students with the knowledge and opportunity to explore various art forms and to create individual works of art. This course also allows for discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although this course focuses on creation, students will also study major artists, art movements, and styles. This course may be repeated for credit. This course meets Arizona high school graduation requirements.

Music 1 Credit

Fee: \$50

Prerequisites: Meets eligibility requirements

Students have the opportunity to explore the wide world of music including music theory, music technology, composition, and music appreciation. This course is individualized based on the experiences, skill sets, and desires of the students enrolled. Students will also work with professional musicians and shadow those in musical fields. This course may be repeated for credit. This course meets Arizona high school graduation requirements.

Contemporary Vocal Ensemble 1 Credit

Fee: \$25

Prerequisites: Meets eligibility requirements

Contemporary Vocal Ensemble allows students to develop vocal techniques while focusing primarily on contemporary stage literature styles, such as traditional jazz, jazz improvisation, and rock. These courses may also focus on gospel, show choir, or barbershop choral group dynamics. This course may be repeated for credit. This course meets Arizona high school graduation requirements.

Drumline 1 Credit

Fee: \$25

Prerequisites: Meets eligibility requirements

Students in the Drumline will study, practice, and perform a wide variety of percussion literature with emphasis on the continual development of technical facility, precision movement, and musical notation reading skills. Drumline performs frequently throughout the year at school, community and festival events. This course may be repeated for credit. This course meets Arizona high school graduation requirements.

Career and Technical Education Courses

Career and Technical Education courses are offered through WESTMEC. Students may apply for WESTMEC beginning their sophomore year for programs to be taken during their junior and senior years. Programs include:

Aesthetician	Air Conditioning Technician
Automotive Collision Technology	Automotive Technology
Aviation Maintenance Technology	Avionics / Electronics
Coding	Cosmetology
Electrical Trade Specialties	Emergency Medical Technician
Energy & Industrial Technology	Fire Science
General Construction Technology	IT Security
Law, Public Safety & Security	Massage Therapy
Medical Assisting	Medium/Heavy Diesel Technology
Pharmacy Technician	Physical Therapy Technician
Plumbing Trade Specialties	Precision Machining
Veterinary Sciences	Welding Technology

Entrance requirements and program specific fees for West-MEC Central Programs can be found at:
<http://www.west-mec.org/>

Elective Courses

Spanish I 1 Credit

Prerequisites: Meets eligibility requirements

Designed to introduce students to Spanish language and culture, Spanish I prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. Students are introduced to the relationships among the products, practices, and perspectives of Spanish-speaking cultures. This course meets Arizona high school graduation requirements.

Spanish II 1 Credit

Prerequisites: Completion of Spanish I

Spanish II builds upon skills developed in Spanish I, preparing students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. This course further explores the relationships among the products, practices, and perspectives of Spanish-speaking cultures. This course meets Arizona high school graduation requirements.

Spanish III Independent Study 1 Credit

Prerequisites: Completion of Spanish II

This course places students in environments in which they interact with native Spanish speakers, in settings where Spanish is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. Students will have the opportunity to travel to Spanish speaking locations. This course meets Arizona high school graduation requirements.

Spanish IV Independent Study 1 Credit

Prerequisites: Completion of Spanish III

This course place students in environments in which they interact with native Spanish speakers, in settings where Spanish is the main language spoken. These courses enable students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. Students will have the opportunity to travel to Spanish speaking locations. This course meets Arizona high school graduation requirements.

French I Independent Study 1 Credit

Prerequisites: Meets eligibility requirements

Designed to introduce students to French language and culture, French I prepares students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. Students are

introduced to the relationships among the products, practices, and perspectives of French-speaking cultures. This course meets Arizona high school graduation requirements.

French II Independent Study 1 Credit

Prerequisites: Completion of French I

French II builds upon skills developed in French I, preparing students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. This course further explores the relationships among the products, practices, and perspectives of French-speaking cultures. This course meets Arizona high school graduation requirements.

French III Independent Study 1 Credit

Prerequisites: Completion of French II

French III places students in environments in which they interact with native French speakers, typically in settings where French is the main language spoken. This course enables students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. Students will have the opportunity to travel to French speaking locations. This course meets Arizona high school graduation requirements.

French IV Independent Study 1 Credit

Prerequisites: Completion of French III

French IV places students in environments in which they interact with native French speakers, typically in settings where French is the main language spoken. This course enables students to strengthen their skills in exchanging (speaking/listening and writing/reading), interpreting (reading, listening, and viewing), and presenting information and their ability to interact in culturally appropriate ways. Students will have the opportunity to travel to French speaking locations. This course meets Arizona high school graduation requirements.

Physical Education/ Health 1 Credit

Prerequisites: Meets eligibility requirements

Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities. Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources. This course may be repeated for credit. This course meets Arizona high school graduation requirements.

Entrepreneurship 1 Credit

Prerequisites: Meets eligibility requirements

This course prepares students for small business ownership through the development of a business plan, marketing strategies and a financial plan while also gaining an understanding of HR and Management functions within a small business. Students will work with local entrepreneurs and job shadow as a part of this course. This course may be repeated for credit. This course meets Arizona high school graduation requirements.

Journalism/ Creative Writing 1 Credit

Prerequisites: Meets eligibility requirements

This course will prepare the student to integrate pre-production, production, post-production, Deliver/Distribute, Quality Assurance, and Presentation phases of Journalism. Creative Writing offers students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. This course may be repeated for credit. This course meets Arizona high school graduation requirements.

Yearbook 1 Credit

Prerequisites: Meets eligibility requirements

This course provides students with the knowledge and skills necessary to produce the school yearbook. Students will gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication. This course may be repeated for credit. This course meets Arizona high school graduation requirements.

Speech and Debate 1 Credit

Prerequisites: Meets eligibility requirements

This course offers students the opportunity to learn how to use oral skills in formal and informal situations. In these courses, students are able to develop such skills as logic and reasoning, research and analysis, organization of thought and supporting materials, argumentative style and skill, and effective presentation of one's voice and body. This course introduces students to the methods, aims, and styles used in various kinds of debates (formal debate or Lincoln-Douglas). Participation in extra-curricular competition may be a component of this course. This course may be repeated for credit. This course meets Arizona high school graduation requirements.

Sociology 1 Credit

Prerequisites: Meets eligibility requirements

Sociology courses introduce students to the study of human behavior in society. These courses provide an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society. This course meets Arizona high school graduation requirements.

Psychology 1 Credit

Prerequisites: Meets eligibility requirements

Psychology introduce students to the study of individual human behavior. Course content includes an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology. This course meets Arizona high school graduation requirements.

Drivers Education 1 Credit

Fee:

Prerequisites: Meets eligibility requirements

Drivers Education provides students with the knowledge and experience to become safe drivers on America's roadways. Topics in these courses cover legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). Experience in driving a vehicle is an essential component of this course. This course is contracted through an outside organization and awarded credit by Caurus Academy. This course meets Arizona high school graduation requirements.

College and Careers 1 Credit

Prerequisites: Meets eligibility requirements

Students will prepare for life after high school by researching possible career options and post-secondary paths. This course includes college visits, job shadowing, and ACT/SAT preparation.

Sports Broadcasting 1 Credit

Prerequisites: Completion of English 1

Students will learn the basic aspects of live play-by-play broadcasting; color commentary; and sports reporting, anchoring and producing for radio, TV and online communications. Emphasis will be on practical experience in helping to produce high school sports programming.

Senior Seminar 1 Credit

Prerequisites: Senior in good academic standing

Senior seminar is a culminating opportunity for Caurus students to create, propose, and present a topic of interest to them. Students will work collaboratively with peers and staff on an interdisciplinary topic which allows them to use a variety of skills in the areas of writing, speaking, research, and documentation. Upon completion of the Senior Seminar Experience, students will have learned more about their topics, their community, and, most importantly, about themselves.

The **process for awarding credit** for all courses, core and elective, will be based on student assessment growth and performance as demonstrated in each course. The criteria for awarding credit is successful completion of course requirements and demonstration of mastery of standards and learning targets at or above a grade of 60% along with successful completion of the course final exam. Remediation in the form of peer tutoring, test retake opportunities, and teacher tutoring will provide students with additional opportunities to demonstrate mastery of a standard or topic.

The **policy on acceptance of transfer credit**, as approved by the Caurus Academy Governing Board states that: "High school students who transfer to Caurus Academy High School must provide an official transcript to be reviewed by Caurus Administration during the enrollment process. All transfer credits are

subject to review, regardless of issuing institution. Courses that meet Arizona state or national academic standards will be transferred as a core course to meet Caurus and Arizona state high school graduation requirements. Elective courses and courses that do not meet Arizona state or national academic standards will be awarded elective credit only.”

Graduation requirements at Caurus Academy match the Arizona state requirements for number of credits in both core courses and elective courses as demonstrated in the below chart:

Subject	Number of Credits
English or English as Second Language	4
Mathematics	4
Science	3
Social Studies	3
Fine Arts/ Career & Technical Education	1
Additional Electives	7
Total number of credits	22

Caurus Academy will offer classes based on a traditional schedule model with students taking six classes per school year. This will allow students to obtain 24 possible high school credits over the course of four years. Students will meet all Arizona state testing requirements for graduation.



Arizona State Board for Charter Schools

Enrollment Matrix

Complete the table to provide the current and target enrollment, indicating the proposed timeline for implementing the request.

Directions*:

- In each box under the “Number of Students” columns, identify the number of students served per grade for the current and upcoming three fiscal years.
- In the “Total Enrollment” row, provide the total enrollment for each fiscal year.
- Copy and paste the chart for each school operated by the Charter Holder.

School Name: Arizona Montessori Charter School at Anthem dba Caurus Academy				
	Number of Students			
Grade Level	Target—FY2018	Target—FY2019	Target—FY2020	Target—FY2021
Kindergarten	48	48	48	48
1 st	50	50	50	50
2 nd	50	50	50	50
3 rd	46	50	52	52
4 th	44	52	52	52
5 th	40	48	56	56
6 th	34	44	56	56
7 th	34	44	58	58
8 th	34	44	58	58
9 th	-	75	100	125
10 th	-	75	100	125
11 th	-	-	-	-
12 th	-	-	-	-
Total Enrollment	380	580	680	730

*To view an example of a completed enrollment matrix, review page 10 of The Guide to Amending a Charter.



Arizona State Board for Charter Schools

Staffing Chart

Complete the table to provide the current and anticipated staffing for the school(s) operated by the Charter Holder. Include staff members needed if the request is granted.

Directions*:

- In each box under the “Number of Staff Members” columns, identify the number of staff members for each position/category for the current and upcoming three fiscal years.
- Copy and paste the chart for each school operated by the Charter Holder.

School Name: Arizona Montessori Charter School at Anthem dba Caurus Academy				
Position	Number of Staff Members			
	Current— FY2018	Anticipated— FY2019	Anticipated— FY2020	Anticipated— FY2021
Administration				
Principal	1	1	1	1
Assistant Principal	.5	1	1	1
Dean of Students		1	1	1
Curriculum & Academic Achievement Coordinator	1	1	1	1
Teachers/Instructional Staff				
Kindergarten	2	2	2	2
1 st	2	2	2	2
2 nd	2	2	2	2
3 rd	2	2	2	2
4 th	2	2	2	2
5 th	2	2	2	2
6 th	2	2	2	2
7 th	2	2	2	2
8 th	2	2	2	2
9 th	-	4	5	7
10 th	-	4	5	7
11 th	-	-	-	-
12 th	-	-	-	-
Specialty Staff (Music, Art, PE, etc.)	4	5	6	6
Special Education	4	5	6	6
Paraprofessional	3	3	4	4
Teacher Aides	2	2	2	2
Additional Staff				
Office Staff	5	5	5	5
Business Office	1.5	1.5	1.5	1.5
Lunch Staff	1	1.5	1.5	1.5
Total Number of Staff Members	41	53	58	62

Staffing Chart

*To view an example of a completed staffing chart, review page 14 of The Guide to Amending a Charter.

Leadership Staffing Chart

Complete the table below to provide current and anticipated leadership for the school(s) operated by the Charter Holder.

Directions:

- In the “Title” column, list the title of each leadership position at the school. Consider all individuals who are part of the leadership team (e.g. principal, instructional coach, lead teacher, etc.).
- In the “Current” and “Anticipated” columns, list the **names** of the individuals that will hold each of the leadership positions during the current and upcoming three fiscal years. If an existing staff member will not hold the position in the projected year, write “New Hire” or “TBD” (to be determined) in the box for that position.
- Copy and paste the chart for each school operated by the Charter Holder.

School Name: Arizona Montessori Charter School at Anthem dba Caurus Academy				
Title	Leadership Team			
	Current—FY2018	Anticipated— FY2019	Anticipated— FY2020	Anticipated— FY2021
Principal	Dameon Blair	Dameon Blair	Dameon Blair	Dameon Blair
Assistant Principal	Heather Campbell	Heather Campbell	Heather Campbell	Heather Campbell
Dean of Students	-	New Hire	New Hire	New Hire
Curriculum and Academic Achievement Coordinator	Lori Everson	Lori Everson	Lori Everson	Lori Everson