Corvuss American Academy

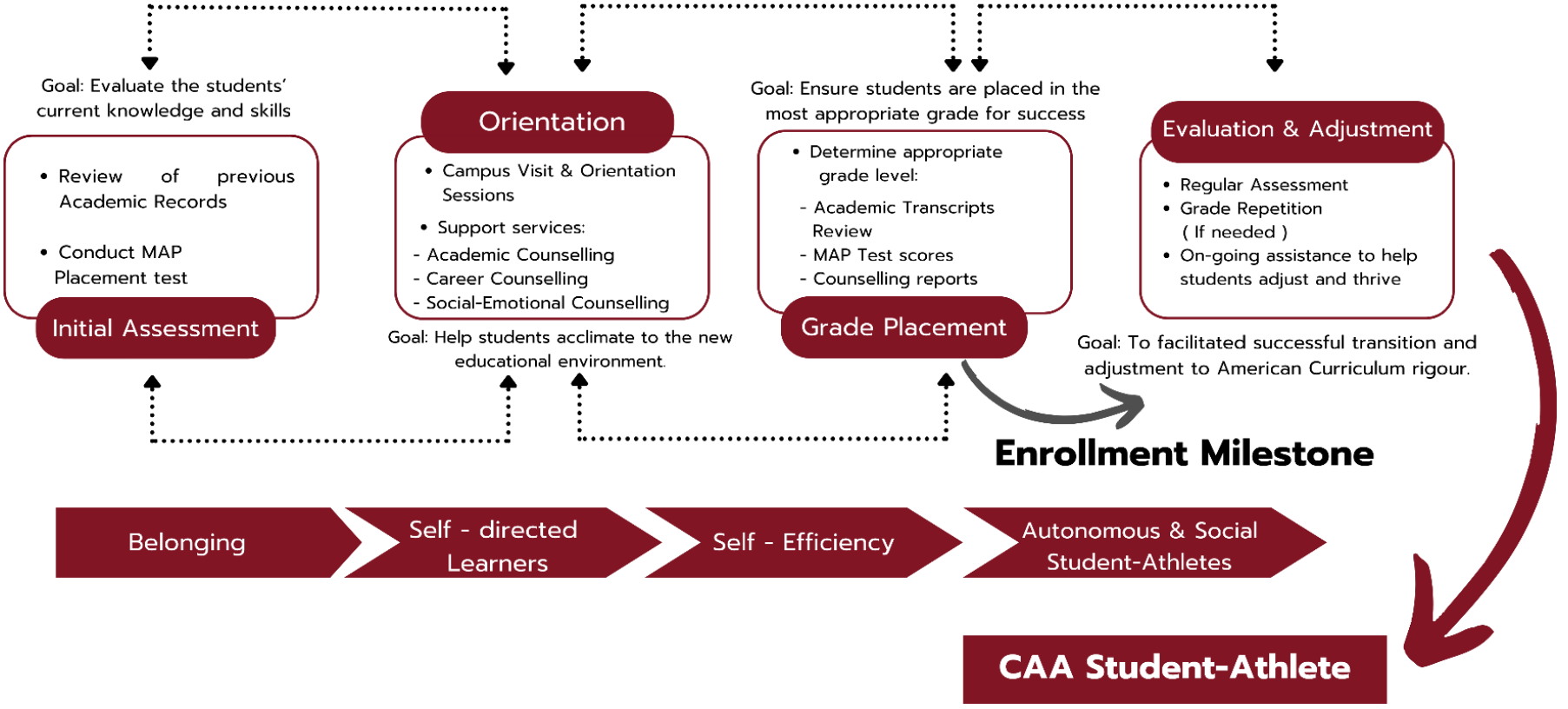
Course Catalog

2025-2026

CURRICULUM TRANSITION FRAMEWORK

IGCSE, IB, CBSE, ICSE & State Board Level Completion to American Curriculum Placement at CAA

Continuous and Cyclic Transition Informed By CAA's Mission, Vision and SLOs



The Curriculum Transition Framework offers a structured pathway for students moving from IGCSE, IB, CBSE, ICSE, or State Board curriculums to the American Common Core Curriculum. It ensures a smooth educational transition by considering different systems and individual needs. The framework includes assessments and interviews to determine appropriate placement, sometimes advising students to repeat a grade to adjust to the academic rigor of the American Curriculum.

IGCSE, IB, CBSE, ICSE, and State Board Level Completion to American Curriculum Placement

Rationale: Students who complete the IGCSE, IB MYP, CBSE, ICSE, or State Board programs generally possess knowledge and skills equivalent to an American Grade level education, allowing them to transition into the American Curriculum. IGCSE students should have their coursework and competencies in core subjects like English, Mathematics, and Science reviewed to ensure they are prepared for the next grade. IB MYP students, with their broad foundation, need their academic performance and subject-specific competencies evaluated for a smooth transition. CBSE, ICSE, and State Board students, having covered comprehensive and rigorous subjects, are generally ready to advance in the American Common Core Curriculum. However, a review of their academic records and possible placement tests in key subjects are advisable to confirm their readiness.

General Guidelines for Transition:

1. **Assessment of Academic Records:**
    - An evaluation of transcripts and academic records from the previous curriculum will be done by the academic coordinator.
    - Subject specific competencies will be reviewed, especially in core subjects (English, Mathematics, Science).

2. **Placement Tests:**

    A MAP Test will be Conducted as a placement test if needed to assess proficiency in core subjects and ensure appropriate placement.

3. **Orientation Programs:**
    - Orientation programs will be offered to help students acclimate to the American Common Core Curriculum, including differences in teaching methods and assessment styles.

4. **Support Services:**
    - Additional support services will be provided such as tutoring or counseling to help students adjust academically and socially.

5. **Flexibility and Individual Consideration:**
    - We aim to ensure flexibility and consider individual student needs and strengths when determining placement. In some cases, it might be beneficial for a student to repeat a grade to solidify their understanding, while in other cases, advanced placement might be appropriate.

The Curriculum Transition Framework ensures a comprehensive and supportive process for students transitioning from IGCSE, IB, CBSE, ICSE or State Board curricula into the American Common Core Curriculum. By assessing academic records, conducting placement tests, and providing orientation and support services, we aim to place each student in the most suitable grade level. This individualized approach ensures that students are well-prepared for the academic challenges and can thrive in their new educational environment. While most students can advance to the next grade level, the possibility of repeating a grade may be recommended to facilitate a successful transition and adjustment to the academic rigor and teaching styles of the American Curriculum.

CHOOSING COURSES

Appropriate Grade Level Guidelines

Students at Corvuss American Academy have the freedom to enroll in any course they choose, without restrictions based on age or grade level. For those seeking guidance on appropriate courses for their grade level, the provided course plans for each grade serve as valuable guidelines. These plans are designed to ensure that students receive the academic rigor and support necessary to meet their diverse educational needs and to prepare them for both college and the workforce.

Our curriculum is comprehensive, offering a wide range of courses that enable students to tailor their education to their individual goals while fulfilling graduation requirements. Students can opt for pathways that prepare them for vocational or technical schools, alternative college routes, or traditional college preparation.

Diploma students are encouraged to work closely with the Corvuss American Academy Academic Advisor to design a program of study that aligns with their unique needs and aspirations. This collaborative approach ensures that each student's educational plan is customized to support their personal and academic growth.

For any questions regarding specific courses, students and their families should contact the academic coordinator on **akshay.ahuja@corvuss.in** this ensures that they receive the necessary information and support to make informed decisions about their educational journey.

Middle School 6-8

All courses are year courses, and students are required to take these as a prerequisite in order to enter the high school diploma program.

Grade 6	Grade 7	Grade 8	NO. Periods
COMPULSORY SUBJECTS			
English (Eng)	English (Eng)	English (Eng)	6
WL (Hindi/ French/ Spanish)	WL (Hindi/ French/ Spanish)	WL (Hindi/ French/ Spanish)	5
Mathematics (Math)	Mathematics (Math)	Mathematics (Math)	6
Science (Sci)	Science (Sci)	Science (Sci)	6
Social Studies (SS)	Social Studies (SS)	Social Studies (SS)	6
ADDITIONAL SUBJECTS			
Art	Art	Art	2
Physical Education (PE)	Physical Education (PE)	Physical Education (PE)	2
Athletic PE (A.PE)	Athletic PE (A.PE)	Athletic PE (A.PE)	2
			35

High School 9-12

***Indicates Semester Courses = 0.5 Credit**
****Indicates Year Courses = 1 Credit**

Each Student is expected to secure 23 Credits (in 4 Years) in order to obtain a Corvuss High School Diploma

Grade 9	Grade 10	Grade 11	Grade 12	NO. Periods
COMPULSORY SUBJECTS				
**English	**English	**English	**English	6
**Mathematics (Algebra 1)	**Mathematics (Geometry)	**Mathematics (Algebra 2)	**Mathematics (Pre-calculus)	6
**Science - Biology	**Science -Physics	**Science - Chemistry	**Science - **AP Biology **AP Physics **AP Chemistry *AP Environmental Science	6
**Social Studies - World Geography	**Social Studies - World History	**Social Studies-US History	**Social Studies- Political Science	6

**World Languages - WL (Hind/French/Spanish)	**World Languages - WL (Hind/French/Spanish)	**World Languages - WL (Hind/French/Spanish)	**World Languages - WL (Hind/French/Spanish) **AP French Language and Culture **AP Spanish Language and Culture	6
ADDITIONAL SUBJECTS				
**Physical Education (PE)	**Physical Education (PE)	**Physical Education (PE)	**Physical Education (PE)	3
**Athletic PE (A.PE) - Sports based	**Athletic PE (A.PE) - Sports based	**Athletic PE (A.PE) - Sports based	**Athletic PE (A.PE) - Sports based	2
**Strength & Conditioning (S&C9)	**Strength & Conditioning(S&C 10)	**Strength & Conditioning (S&C 11)	**Strength & Conditioning(S&C 12)	2
Art	Art	Art	Art	3
TOTAL NUMBER OF LECTURES IN WEEK				35

2 ELECTIVES PER GRADE (HOLSTON ACADEMY): ELEGIBILITY 85% & ABOVE.

BUSINESS & FINANCE

- *Accounting: Introduction to financial accounting principles, including the preparation and analysis of financial statements.
- *Business Law: Overview of the legal environment in which businesses operate, covering contracts, ethics, and corporate law.
- *Entrepreneurship & Small Business: Focus on the skills and knowledge needed to start and manage a small business.
- *Financial Literacy: Essential financial skills and concepts such as budgeting, investing, and personal finance management.
- **Economics: Microeconomics and macroeconomics, offering insights into how individuals, businesses, and governments make decisions regarding the allocation of scarce resources.
- **Economics Honors: Fundamental economic concepts and theories, with a deeper analysis in the honors course.
- *Career Exploration in Finance: Insight into various careers within the finance sector and the skills required for each.
- *QuickBooks: Practical training in using QuickBooks software for accounting and financial management.

ARTS & DESIGN

- *Adobe Illustrator: Training in vector graphic design and illustration techniques.
- *Adobe InDesign: Mastery of desktop publishing software for creating professional layouts.
- *Adobe Photoshop: Skills in image editing and photo manipulation.
- *Adobe Premiere Pro: Basics of video editing and production.
- **Advanced Drawing: Techniques for improving drawing skills with advanced methods and tools.
- *Art Appreciation: Understanding and valuing different forms of visual arts.
- *Basic Drawing: Fundamental drawing techniques and principles.
- *Beginning Painting: Introduction to painting methods and mediums.
- *Graphic Design: Principles and practices of creating visual content.
- *Digital Media: Exploration of digital media tools and techniques for various applications.

COMPUTER SCIENCE & INFORMATION TECHNOLOGY

- **Advanced Computer Science in Python: In-depth programming concepts and algorithms using Python.
- **Computer Programming with Java, Java Honors: Detailed study of Java programming language and applications.
- **Computer Science Principles, Principles Honors: Overview of computational thinking and problem-solving in computer science.
- **Introduction to Computer Science: Basic concepts and skills in computer science and programming.
- *Introduction to Cybersecurity: Fundamentals of cybersecurity and protecting digital information.
- **Data Structures and Algorithms, Algorithms Honors: Advanced topics in data organization and algorithmic problem solving.
- *Cloud Technologies and the Internet of Things: Understanding cloud computing and IoT applications.
- *Networking: Basics of computer networks, protocols, and communication technologies.

ENGINEERING & TECHNOLOGY

- **Architectural Design I, II, III: Sequential courses covering the principles and practices of architectural design.
- *Aeronautics and Space Travel: Exploration of the science and technology behind air and space travel.
- **Physics Honors: Basic and advanced principles of physics.
- **Introduction to Data Science: Basics of data analysis, statistical methods, and data visualization.
- **Robotics: Applications and Careers: Study of robotic systems and their real-world applications.

HEALTH & MEDICINE

- **Anatomy and Physiology: Study of the human body's structure and functions.
- **Biology Honors: Study of living organisms, with deeper analysis in honors.
- *Health Careers: Exploration of various careers in the healthcare field.
- **Introduction to Nursing: Basic principles and practices of nursing.
- *Career Exploration in Healthcare: Overview of different careers within the healthcare industry.
- **Healthcare Management and Information Systems: Study of managing healthcare organizations and using information systems.
- *Nutrition: Principles of nutrition and its impact on health.
- *First Aid: Basic first aid skills and emergency response.

HUMANITIES & SOCIAL SCIENCES

- *American Government, Government Honors: Study of the U.S. government structure and political processes.
- *Sociology: Examination of social behavior, institutions, and structures.
- **American History, History Honors: Exploration of U.S. history with deeper analysis in honors.
- *Ethnic Studies: Exploration of various ethnic groups and their cultural contributions.

SCIENCE & ENVIRONMENTAL STUDIES

- **Biology Honors: Study of living organisms, with deeper analysis in honors.
- **Chemistry Honors: Study of chemical principles and reactions, with an honors option.
- **Earth and Space Science: Study of Earth's systems and the universe.
- *Marine Science: Exploration of marine ecosystems and oceanography.
- *Paleontology: Study of ancient life through fossil records.
- *Renewable Energy: Exploration of renewable energy sources and technologies.

Advance Placement (AP COURSES) (Paid)

- **AP Macroeconomics: Advanced study of economic principles, including national income, inflation, and monetary policies.
- **AP Computer Science A: Advanced placement course focusing on Java programming.
- **AP Computer Science Principles: Broad introduction to computer science fundamentals.
- **AP Physics 1, 2: Advanced placement courses covering fundamental physics concepts.
- **AP Physics C: Electricity and Magnetism, Mechanics: Calculus-based physics courses focusing on electricity, magnetism, and mechanics.
- **AP Calculus AB, BC: Advanced placement courses in differential and integral calculus.
- **AP Biology: Advanced placement course in biological sciences.
- **AP US Government and Politics: Advanced placement course on American political systems.
- *AP Comparative Government and Politics: Comparative study of different political systems around the world.
- **AP Psychology: Advanced placement course in psychology, covering major theories and practices.
- **AP English Language and Composition: Advanced placement course focusing on rhetoric and composition.
- **AP English Literature and Composition: Study of literature and advanced literary analysis.
- **AP World History: Modern: Comprehensive study of global history from 1200 CE to the present.
- **AP European History: Detailed study of European history from the Renaissance to present.
- **AP Environmental Science: Advanced placement course on environmental science and ecology.
- **AP Biology: Advanced placement course in biological sciences.
- **AP Chemistry: Advanced placement course in chemistry.

Real-World Experience for Future-Ready Students

Corvuss has partnered with BuildUp Internships to offer structured, virtual internships for students in Grades 8–12. Designed by alumni from top global universities and guided by professionals from companies like Accenture, these internships help students gain real exposure to diverse career paths.

Program Overview

- Duration: 8 weeks (Online) offered twice a year (Fall & Spring)
- Time: 4–5 hrs/week (Weekend or evening sessions)

Formats:

- **build Up Squad** – Collaborative internships with a small group of students solving real-world problems
- B**uild Up Innovator** – Personalized, solo internship for students with niche interests or specific career goals
- Final Presentation: Students pitch to real industry clients

Key Features

- Industry Exposure: Projects in AI, Law, Finance, Sports, Medicine, Fashion, Marketing, and more
- Mentored Learning: Weekly mentor sessions + skill-building workshops
- Live Client Work: Solve real business problems with startups and companies
- College Readiness: Builds resume, confidence, and clarity in career goals

Graduation Requirements

Category	Credits Required	Details
English Language Arts	4	Includes Language and Grammar, Literature, Writing and Advanced Composition Courses.
Mathematics	4	Includes Algebra I, Geometry, Algebra II, and Pre-Calculus.
Science	3	Includes Biology, Physics, and Chemistry.
Social Studies	3	Includes World History, U.S. History, and World Geography.
World Languages	2	Includes Language of Choice as per CAA offerings. 2 Years of chosen language.
Physical Education	2	Includes courses focusing on physical health, fitness, and well-being.
Electives / Internships	5	Courses chosen based on student interest, including additional subjects provided by Corvuss. - PE - Athletic PE - S+C
Total Credits Required	**23**	
Community Service	-	Completion of 40 hours of community service (Grade 12)
Standardized Testing	-	Completion of standardized testing requirements (e.g., SAT, ACT) - Optional
Attendance	-	Maintain attendance record of At least 75% per academic year..
Honors Designation	-	Maintain a cumulative GPA of 3.5 or higher, complete at least 3 AP courses with a grade of B or higher, and active participation in at least two extracurricular activities or leadership roles.