Proposed Course Offering for AY 2020-21

Making Waves Academy Upper School

A-G and CDE Requirements		Making Waves Academy Course of Study		
Content Areas	*Required*	*Proposed Course Offering*	*Required*	*Credits*
A. History and Social Science	2 Years	**World History** **United States History**** AP United States History **United States Government (0.5)** AP U.S. Government and Politics (0.5) **Economics (0.5)**	3 Years*	6.0
B. English	4 Years	**English I** **English II** **English III**** AP English Language and Composition **CSU Expository Reading and Writing**	4 Years	8.0
C. Mathematics	3 Years	**Algebra I** **Geometry** **Algebra II** Pre-Calculus AP Statistics AP Calculus AB	3 Years***	6.0
D. Laboratory Science	2 Years	Earth and Space Science **Biology** **Modern Physics and Chemistry** Introduction to Health Sciences (CTE) Anatomy and Physiology (CTE) Medical Terminology (CTE) Advanced Patient Care (CTE)	2 Years****	4.0
E. Language Other Than English	2 Years	**Spanish I** **Spanish II** Spanish III AP Spanish Language and Culture	2 Years	4.0
F. Visual and Performing Arts	1 Year	**Fundamentals of Art** Ceramics Advanced Art Introduction to Drama	1 Year	2.0
G. College Preparatory Elective	1 Year	AP Psychology ➤ Careers in Education (CTE) ➤ Online Learning for Electives	*****	*****
California Department of Education	2 Years	**Health and Wellness I** **Health and Wellness II**	2 Years*	4.0
TOTAL				**34.0**

"➤" indicates that this course is proposed for the upcoming school year. Sample course descriptions are included in this document. Courses listed in **"blue"** fulfill A-G and MWA graduation requirements. Courses listed in **"black"** are A-G recommended courses or electives. Endnotes on reverse.

Endnotes

All courses are year-long and eligible for 1.0 credit towards graduation. Courses indicated as 0.5 are semester-long courses. Career Technical Education (CTE) courses in Health Science and Medical Technology are aligned to California state standards for CTE.

* California Department of Education requires three years of History and two years of Physical Education.

** U.S. History requirement may be fulfilled by AP U.S. History. English III requirement may be fulfilled by AP English Language and Composition.

***A fourth year of Mathematics is strongly recommended by University of California and California State University.

**** Laboratory Science requirement includes one Life Science and one Physical Science course. Earth and Space Science is aligned to Next Generation Science Standards and prepares students for the California Science Test.

***** College Preparatory Elective can be satisfied by third year of History or any coursework beyond the A-G minimum requirements.

Sample Course Descriptions for New Courses
Making Waves Academy Upper School

Careers in Education

Should Careers in Education be offered at Making Waves Academy, it would be a-g approved and mapped to its official state course code on CalPADS. Careers in Education is intended to be a rigorous course, and would be considered by the state to be a "capstone" course in a sequence of Career Technical Education (CTE) courses for this pathway. Additionally, as of spring 2020, Making Waves Academy has a blooming partnership in play with a neighboring public school that could potentially serve as an internship site.

Throughout the year students in this course will complete at least 90 hours of internship at local elementary and/or middle schools. They will read several contemporary texts associated with professional development in the field of education. In class, students will engage in discussions about professional development, leadership qualities, the structure and challenges of the public school system, and leadership opportunities in education. In their internships, students will receive practical training in the following areas: school procedures and professional expectations, instruction and assessment, behavior management skills, and communication skills.

Online Learning for Electives - Sample Courses through Apex Learning
- Accounting I
- Accounting II
- AP English Literature and Composition
- AP Environmental Science
- AP French Language and Culture
- AP Macroeconomics
- AP Microeconomics
- Art Appreciation
- Business Applications
- Chinese I Competency
- Chinese II Competency
- Computer Applications
- Creative Writing
- Environmental Studies
- Ethnic Studies
- French I
- French II
- Geography and World Cultures
- German I Competency
- German I Competency
- Human Resources Principles
- Information Technology Applications
- Intermediate Business and Marketing
- Intermediate Health Science

- Introduction to Business and Marketing
- Introduction to Business and Technology
- Latin I Competency
- Latin II Competency
- Legal Environment of Business
- Music Appreciation
- Principles of Business, Marketing, and Finance
- Principles of Information Technology
- Psychology
- Sociology
- U.S. and Global Economics Honors

Additional new courses that were considered, but are not proposed for next year:

AP World History

AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

AP Computer Science Principles

AP Computer Science Principles is a complete, full-year course developed in partnership with the University of Texas at Austin's UTeach Institute that focuses on the 7 "Big Ideas" in computer science using project-based approaches. The course introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity, and how computing impacts our world. Students will develop the computational thinking skills needed to fully exploit the power of digital technology and help build a strong foundation in core programming and problem-solving.

- Engaging Students New to Computer Science: The course is designed to engage students from diverse backgrounds and those new to computing – and excite students with a curriculum that focuses on the core ideas that shape the landscape of computer science and its impact on our society.
- Project-Based and Collaborative Learning Approach: Using project-based lessons and materials throughout, students will work to address real-world problems and design solutions to put computational thinking into practice. These culminate in a capstone Performance Task project where students can demonstrate what they've learned - to become creators, instead of merely consumers, of the technology all around them.

This course will prepare students for the end-of-course AP Exam.

Introduction to Computer Science

An interactive introductory course for students brand new to programming that teaches the foundations of computer science using the Python language. Not only will this semester- or year-long course prepare students for AP Computer Science A and AP Computer Science Principles, but it will teach students how to think computationally and solve complex problems, skills that are important for every student.

Introduction to Computer Science is a great starting point for schools starting up a new computer science program, or seeking to enrich an existing CS program or course.