



Proposed Course Offering for AY 2022-23 Making Waves Academy Upper School

Background

The upper school master schedule at Making Waves Academy will continue to ensure timely a-g completion for all students. In a continuing effort to increase the variety of our electives, we plan to offer the following new courses:

- Principles of Finance
- Beginning Band (or other subject(s) within Visual and Performing Arts, depending on what the labor market will yield)

While additional teachers will be hired to accommodate new courses and student enrollment increases, we are also auditing our current course offering to scale-back where possible. Additional revisions to the course offering include:

1. Condensing the Career Technical Education (CTE) pathway in Health Sciences and Medical Technology from three years to two years¹, providing students the opportunity to complete the entire CTE pathway while having more freedom to study an additional elective subject;
2. Discontinuing Anatomy and Physiology² to add courses in other life sciences or physical sciences to accommodate student enrollment increases;
3. Increasing the minimum enrollment of course sections from 13 students to 18 students to reduce the number of classes needing coverage at any given time; and
4. Initiating planning for Ethnic Studies, with AY 2025-26 being the target year for offering it as a graduation requirement.

Recommendation

We recommend that the Curriculum and Instruction Review Advisory Committee (CIRAC) approve our course offering for AY 2022-23.

¹ See Table 2: Proposed Revision to the Career Technical Education (CTE) Pathway in Health Sciences and Medical Technology.

² The State of California no longer associates Anatomy and Physiology with Career Technical Education (CTE) course codes and thus is no longer a CTE course. Making Waves Academy still has a complete sequence of courses within the Health Sciences and Medical Technology Pathway through our offering of Introduction to Health Sciences (Intro), Medical Terminology (Concentrator), and Advanced Patient Care (Capstone).



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Table 1. Proposed Course Offering for AY 2022-23

<u>A-G and CDE Requirements</u>		<u>Making Waves Academy Course of Study</u>		<u>Status (# Interested)</u>
<i>Content Areas</i>	<i>Required</i>	<i>Proposed Course Offering</i>	<i>Required</i>	
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*	Available Available Available (21) Available Available (38) Available
B. English	4 Years	English I English II English III** AP English Language and Composition CSU Expository Reading and Writing	4 Years	Available Available Available Available (29) Available
C. Mathematics	3 Years	Algebra I Geometry Algebra II ➤Principles of Finance Pre-Calculus AP Statistics AP Calculus AB	3 Years***	Available Available Available Available (6) Available (22) Available (60) Available (19)
D. Laboratory Science	2 Years	Earth and Space Science Biology Modern Physics and Chemistry Introduction to Health Sciences (0.5) (CTE) Medical Terminology (0.5) (CTE) Advanced Patient Care (CTE)	2 Years****	Available Available Available Available (4) Available (19) Available (18)
E. Language Other Than English	2 Years	Spanish I Spanish II Spanish III AP Spanish Language and Culture	2 Years	Available Available Available (43) Available (63)
F. Visual and Performing Arts	1 Year	Fundamentals of Art Ceramics Advanced Art Introduction to Drama ➤Beginning Band or other arts elective(s)	1 Year	Available Available (69) Available (24) Available (59) Available (TBD)
G. College Prep Elective	1 Year	AP Psychology	*****	Available (20)
CA Department of Education	2 Years	Health and Wellness I Health and Wellness II	2 Years*	Available Available

Endnotes on next page.



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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.

“>” 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. Student interest numbers provided for elective courses only.



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Table 2. Proposed Revision to the Career Technical Education (CTE) Pathway in Health Sciences and Medical Technology

Summary

Condensing the Career Technical Education (CTE) pathway in health sciences and medical technology to two academic years, rather than three academic years, will provide students the opportunity to complete the entire CTE pathway, while having more freedom to study an additional elective subject, if they choose.

Optimizes for

- *Compliance.* A two-year pathway still meets the 300-hour duration requirement.
- *A broad course of study.* Allows students to complete the CTE pathway, while having more freedom to study an additional elective subject, if they choose.

Table 2a. The **current implementation** of the CTE pathway for health sciences and medical technology requires three sequential years of study.

	Fall	Spring
Year 1: Intro	Intro to Health Sciences	
Year 2: Concentrator	Medical Terminology	
Year 3: Capstone	Advanced Patient Care	

Table 2b. The **proposed implementation** of the CTE pathway for health sciences and medical technology requires two years of study.

	Fall	Spring
Year 1: Intro / Concentrator	Intro to Health Sciences	Medical Terminology
Year 2: Capstone	Advanced Patient Care	



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Table 3. Proposed Addition to Visual and Performing Arts

Summary

The addition of Beginning Band (or other subject(s) within Visual and Performing Arts, depending on what the labor market will yield) will allow us to accommodate more students needing to fulfill their one-year Visual and Performing Arts requirement while adding variety to our course offering.

Table 3a. Sample sequence of Visual and Performing Arts courses by grade level.

	Grade 9 Satisfies a-g requirement for art	Grade 10	Grade 11	Grade 12
Visual Arts	Fundamentals of Art		Ceramics or Advanced Art	Ceramics or Advanced Art
Performing Arts	Introduction to Drama or Beginning Band	(The addition of concentrator courses in Performing Arts will depend on what the labor market will yield)		

Sample Course Description for Beginning Band (or other arts elective(s))

This class offers the band experience at the beginning level. The instruments taught are flute, clarinet, saxophone, trumpet, trombone, tuba and percussion. No experience is necessary – only the will and desire to play an instrument. Musical topics are introduced such as reading, music notation, analyzing and evaluating music, as well as composing and improvising simple melodies. The students present a Winter and Spring Concert.



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Table 4. Proposed Addition to Mathematics

Summary

The addition of Principles of Finance will give students more pathways to continue their study of mathematics following the completion of Algebra II. Following Algebra II, students will be able to choose between pursuing Pre-calculus, AP Statistics, or Principles of Finance.

Table 3a. Sample sequences of mathematics courses by grade level.

	Grade 9	Grade 10	Grade 11	Grade 12
Sample 1	Algebra I	Geometry	Algebra II	Principles of Finance and/or AP Statistics and/or Pre-calculus
Sample 2	Geometry	Algebra II	Pre-calculus and Principles of Finance or AP Statistics	AP Calculus AB and Principles of Finance or AP Statistics

Sample Course Description for Principles of Finance

Principles of Finance gives students a thorough introduction to the concepts, tools, and institutions of finance and serves as a foundation for the core courses offered by the Academy of Finance. Principles of Finance begins with the basics of financial literacy and the function of finance in society. Students then study income and wealth, including budgeting, personal banking, credit and borrowing, and planning for retirement. Next, students examine financial institutions and the role of finance in organizations. They learn about standard methods by which businesses raise capital, and they study key investment-related terms and concepts, including the time value of money. Students also explore specific topics of importance in today's world of finance, risk management, taxes, and ethics. They research how technological and international innovations have changed the financial services field.



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As an integral part of the course, students also participate in an in-depth study of a particular finance topic. Students use a Project-Based Learning approach to become personal finance experts and lead a schoolwide exhibition on issues critical to financial literacy. Working in groups of three or four, students choose a topic to investigate and examine their topic from various perspectives, including its importance to an individual's understanding of finance and its relevance to the finance industry and society. Groups synthesize their learning and create a three-panel display, public service pamphlet, and talking points, all of which they present to an invited audience at a financial literacy fair.

Finally, students explore the types of careers that exist in finance today.