

2023-24 Course Enhancement: Status Report and Future Recommendations

Presented to the Board of
Education

Manhasset Public Schools

December 14, 2022



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Ongoing Commitment to the Improvement of Instruction: Course Gap Status Report and Future Recommendations 2023-2023

Purpose:

- 1) to research and compare the current course offerings in Manhasset with those of other high-performing districts in an effort to identify course gaps and/or areas in need of expansion, continued growth, further exploration, or to consider courses or programs for future implementation;
- 2) to examine student achievement and consider changes and/or modifications in programs and courses in an effort to support student success

2022-23 District Priority Area 2

*STRENGTHEN
STUDENT
INCLUSIVITY,
OPPORTUNITIES,
AND
SUPPORT*

FOCUS

Strengthen academic pathways in which interests and passions are discovered and explored by each student.

Strategic Outcomes

The administrative team conducts a course audit and student focus group on determining how to improve the quality of academic opportunities.

Presentation Overview by Department



- **New Course proposals with descriptions for 2023-24**
- **Re-Introduced / Modified Courses for 2023-24**
- **Status Report on 2022-23 Courses**

Middle School Programming



Middle School Courses: Grade 7

Major Subject Courses

English 7

Social Studies 7

Math (7R, 7Acc, 8H, Algebra I Honors)

Science 7, Earth Science H

World Languages (*French I-1, Italian I-1, Spanish I-1*)

Exploratory Courses

Art, Computer Applications,
Theater, Home and Careers,
Music, Technology

Support Services

Transitions
Academic Intervention Services,
Special Education Support

Middle School Courses: Grade 8

Major Subject Courses

English 8

Social Studies 8

Math (*8R, 8H, Algebra I H, Algebra I R, Geometry H*)

Science (*Living Environment H/R, LEAPES*)

World Languages (*French I-2, Italian I-2, Spanish I-2, Spanish 1B*)

Exploratory Courses

Art, Computer Applications, Music, Technology, Health

Support Services

Academic Intervention Services, Special Education Support

English Department

New	Broadcast Journalism IV
Revision	Film Study and Basic Filmmaking
Revision / Update	Broadcast Journalism III
Update	New Media II



Broadcast Journalism IV (New)



- Last of Broadcast Journalism sequence
- Students will produce *Good Morning Manhasset*, the secondary school's news show, as well as live sports and special events coverage
- Ongoing technical development, including graphics, editing, and live broadcasting
- In addition, students will serve as mentors to the Broadcast III students.
- A digital portfolio will serve as the course capstone
- The course meets every day for a full year, **1 credit**
- **Prerequisite: Broadcast III**
- **Grade 12**

Broadcast Journalism II (Modified)



- Second in Broadcast Journalism sequence
- New: Expanding length of course to include sports broadcasting, podcasting, and a deeper exploration of strong journalistic research, writing, media literacy, and technological applications
- Students will begin to explore their personal interests in broadcasting, and work collaboratively to create digital content that demonstrates their growing expertise in their chosen broadcasting subspecialty: radio production, video news package production, documentary production, and editing
- For the capstone project, students will create an online project for the Manhasset Broadcast Company (MBC) to display the content produced during the year to the school and community
- The course meets every day for a full year, **1 credit**
- **Prerequisite: Broadcast I**
- **Grades 10, 11, 12**

Broadcast Journalism III (Modified)



- Third course in the Broadcast Journalism sequence
- New: preparation for the live broadcast requirements of Broadcast Journalism IV.
- Students will practice strong journalistic writing, research, media literacy, and technological requirements
- Students then apply this knowledge to general show production and receive assignments (e.g., director, cameras, board operator, talent, etc.) that will be distributed during weekly editorial meetings.
- A digital portfolio will serve as the course capstone.
- The course meets every day for a full year, **1 credit**
- **Prerequisite: Broadcast II**
- **Grades 10, 11, 12**

Film Appreciation & Basic Filmmaking (Modified)



- Continues with film appreciation and review instruction previously established
- **NEW:** Basic filmmaking technique and development
- Students learn: cinematic vocabulary, identifying directors' purpose, and exploring storyboard creation, animation, and script writing.
- Students will write reviews, submit original film projects, and present researched material to the class.
- A final project is due at the end of the semester.
- The course meets every day for one semester or every other day for a full year. **½ credit**
- **Grades 10, 11, 12**

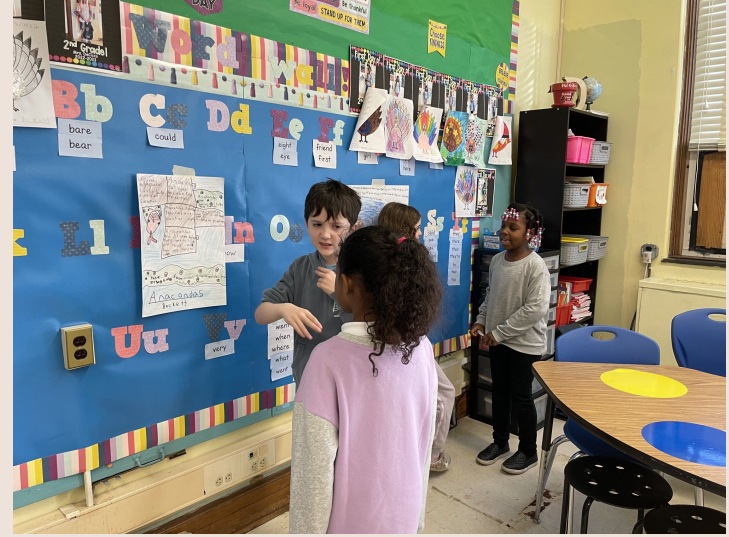
A Status Update: Courses Added for 2022-23

- Broadcast Journalism 3
- New Media II



World Languages

New	Mandarin Chinese for Heritage Speakers
Status Update	Mandarin Chinese for Non-Heritage Speakers
Status Update	Latin I



Mandarin Chinese I

Heritage Speakers



New elective offering:

Mandarin Chinese I for Heritage Speakers

Overview: Intended for heritage speakers who are comfortable communicating easily and confidently in Mandarin Chinese to help them effectively expand their skills in reading and writing while concurrently addressing the need to improve their listening and oral skills in formal and informal environments.

Areas of Study: Topics covered relate to Chinese culture, society, and cultural differences.

Prerequisite: None

Grades: 9, 10, 11, 12

Credit: 1 credit

Mandarin Chinese I

Non-Heritage Speakers

Re-introduced elective offering:

Mandarin Chinese I for Non-Heritage Speakers

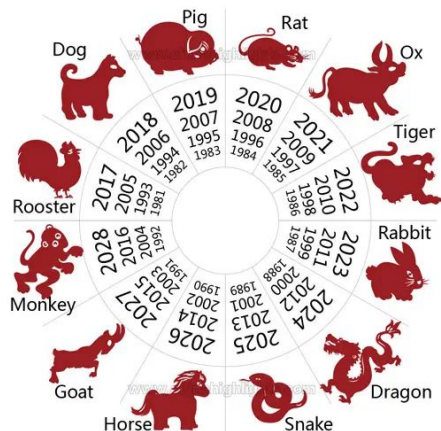
Overview: Intended to build students' basic daily communicative skills in Mandarin Chinese including conversation, reading and writing. Students will comprehend simple statements and questions; initiate and respond to simple statements; engage in simple face-to-face conversations; understand simple material for informative or social purposes; express basic personal needs and compose messages on very familiar topics.

Areas of Study: *Personal Identification, House and Home, Educational Life, Health and Welfare, Shopping, and Community/Geography.*

Prerequisite: None

Grades: 9, 10, 11, 12

Credit: 1 credit



Social Studies

Re-Introduced	Social Science Research
Status Update	Pop Culture in American Society (9-12)



Social Science Research

(Re-Introduced)



Social Science Research

Students are taught all phases of research in this full year course including:

- Experiment design, survey or field study
- Computer statistical software to record, analyze results, and write a social science report
- Individual and collaborative research
- Students participate in local and regional research competitions.
- Can serve as a foundation for the AP Capstone Program

Grade level 9,10

No prerequisite courses required

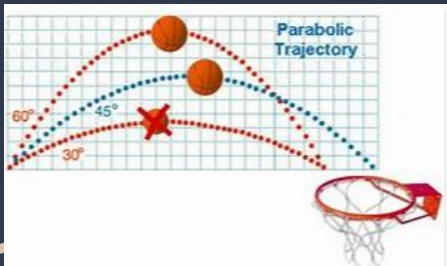
Mathematics

Updated	Mathematics of Sports and Games
Status Update	Math Research / Advanced Math Research
Status Update	Intermediate Algebra



Mathematics of Sports and Games

Renamed/ Reintroduced



- Examine rules and strategies with respect to sports and games
- Understand and interpret statistics reported in the media
- Create schedules for teams using graph theory principles
- Leverage data to inform strategic decisions in a variety of sports and games.
- Meets every other day for the full year

Prerequisites: Successful completion of Algebra 1 and Math teacher recommendation.

Grades: 9, 10, 11, 12

Math Research Update



- Currently has 3 students at varying levels
- Research in the content area
- Partnership with Library Media Specialists
- Current research projects include Games Theory, Math Behind Tennis Rankings, and Prisoner's Dilemma
- Students present at Long Island Math Fair

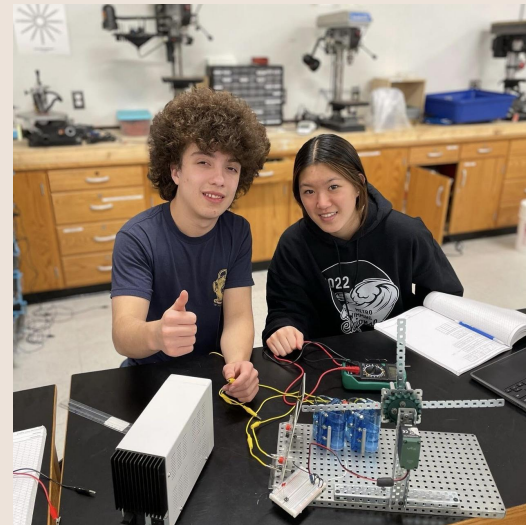
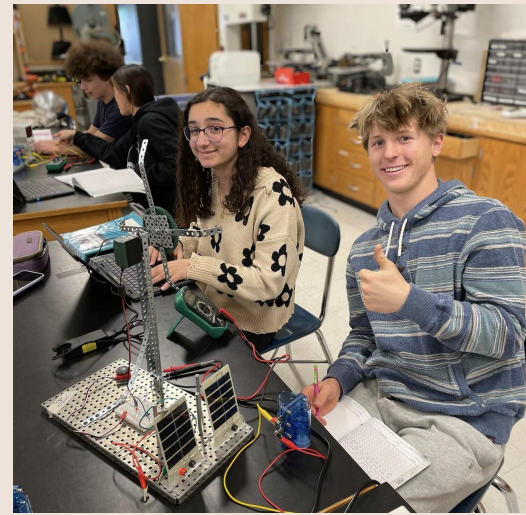
Intermediate Algebra Update



- Currently has 11 students, a roughly even split between juniors and seniors
- Survey of Advanced Algebra topics as a bridge to Algebra 2
- Students presented with opportunities to meet with success on topics including functions, rational expressions, quadratics, exponentials, and polynomials

Science & Technology Education

New	Robotics Club - High School
Update	Project Lead the Way - Elementary



Robotics Club



VEX V5 Competition Super Kit

The benefits of Vex Robots:

- Multiple Robots can be entered from one school for each competition
- Entirely student-centered, adult assistance is prohibited
- Fees are lower than First, designed to be sustainable and to allow for more student involvement
- Build information is announced in the Spring for the following year, longer build period

High School Robotics Club Plan:

High School Club proposal by students submitted with appropriate signatures for consideration.

VEX V5 Robots, bundles for practice plus competition robots along with perimeter, field tiles, and game element

Robotics – Proposed Timeline



2023-2024
Robotics Club
High School

2024-2025
Robotics Club
Middle School

2025-2026
Robotics Club
Elementary
Schools

Explore the
benefits of
creating a HS
Course, Robotics I

*Assess need for
additional sections
of the HS Course,
Robotics I

Project Lead the Way: Elementary Expansion



Grades 2, 3, and 4: Rollout complete! Units are fully integrated into curriculum

Grade 5: Rollout of Automation and Robotics underway, students in both elementary schools are currently building and working to solve the engineering problem:

Design, model, and test a robot that can remove hazardous materials from a disaster site. Design the layout of the site to include a water site and a hazardous materials collection zone.

2023-2024 Proposed Rollout:

Kindergarten: Pushes and Pulls

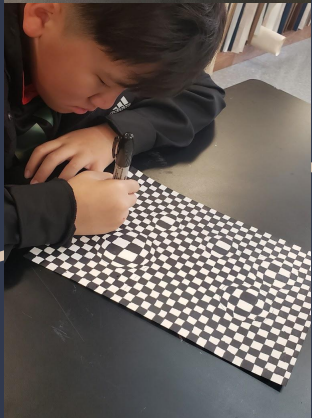
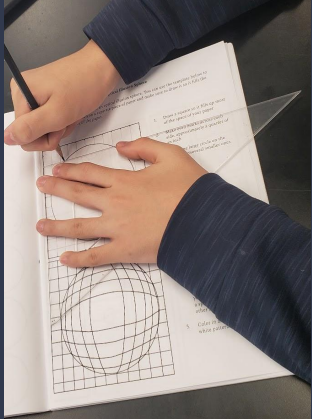
First Grade: Light and Sound

Music and Fine Arts

Re-introduced	Art 7 - Middle School Exploratory
Re-Named	Accelerated Art 8 (Formerly “Advanced Studio in Art 8”)
Status Update	Music Production And Songwriting



Art 7 (Exploratory re-introduced)

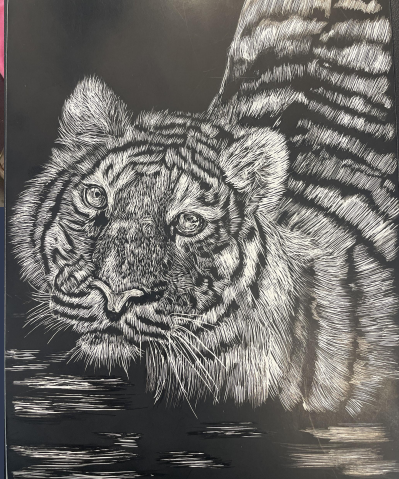
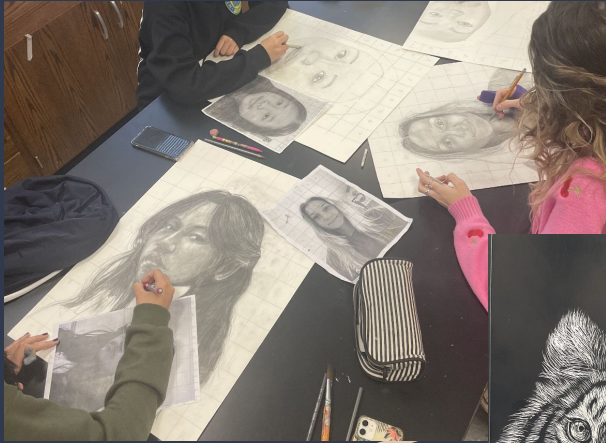


7th Grade Art

- Bridge between Elementary and Secondary Art instruction.
- Deeper dive into [Elements and Principles of Design](#), and reviewing concepts such as line, color, shape and form.
- Students first learn these concepts in “skill builder” exercises leading to full scale projects in various 2d and 3d media

Accelerated Art 8

Course Name Change

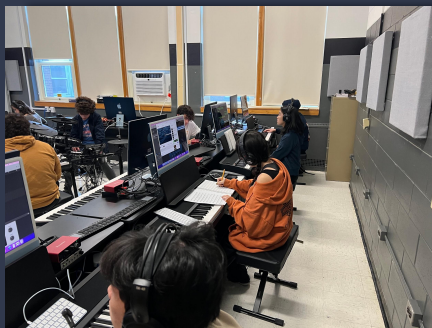


Proposing course title change from “Advanced Studio in Art 8” to “Accelerated Art.”

- Current Structure: 8th Grade, every day, based upon teacher recommendation in 6th grade
- MHS Offers “Advanced Studio in Art”
- Redundant Course Titles between MS and HS creates confusion for families choosing their electives as they progress through the program

Music Production And Songwriting

(Modification of Existing Course – Music. Theory)



Music Theory/Music Production/Songwriting

- Multi-Faceted Course with a focus developing an understanding of and proper use of the building blocks of music.



Clip of Sofia DeSanctis
Original composition
"Different Planets"

Key Dates for Course Selections & Determinations

December 27, 2022

- Elective selection package launched to students & parents (grades 8-11) via Blackboard Connect
- Package will include a grade-specific Google elective selection form with comprehensive instructions, practice elective selection sheets, and a copy of the 2023-24 HS Course Catalog

January 4 & 5, 2023

- MS counselors (Mr. Gandulla & Ms. Moloney) will push into PE classes to review the elective selection process with 8th graders. Eighth grade students will not be able to submit elective course selections until after this meeting.

January 10, 2023

- Deadline for student submission of elective requests

January 24 - February 3, 2023

- Teachers of the five major subjects (English, Math, Science, Social Studies, World Languages) make tentative recommendations for the 2023-24 school year

February 15, 2023

- District and building administration meet to review course requests, propose staffing needs and determine actual course offerings

Data Presentation (Follow-up)



Enrollment in X-Classes 2019/20 – 2022/23

Course	2022-2023	2021-2022	2020-2021	2019-2020
Algebra X	15	11	9	9
Chemistry X	40	31	11	25
Living Environment X	20	6	19	10
Earth Science X	16	11	10	8
Physics X	15	9	9	8
Geometry X	15	18	16	16
Algebra 2X	16	14	19	19

Advanced Placement Exams

MUFSD 2018-2023



Year	# of AP Exams Taken	Enrollment 9-12	Average # of AP Exams taken per student by enrollment 9-12
2018-19	1,653	1,091	1.51
2019-20	1,359	1,038	1.31
2020-21	1,441	971	1.48
2021-22	1,539	977	1.57
2022-23	1,612	954	1.69

AP Course Offerings – Comparative Districts

	2D Art	3D Art	Art History	Biology	Calculus AB	Calculus BC	Chemistry	Chinese Lang. and Cult.
Manhasset	X		X	X	X	X	X	X
Garden City	X	X		X		X	X	
Great Neck South	X		X	X	X	X	X	X
Great Neck North	X		X	X	X	X	X	X
Herricks	X			X	X	X	X	X
Jericho	X	X		X	X	X	X	X
Roslyn	X	X	X	X	X	X	X	X
Syosset	X	X	X	X	X	X	X	

“X” = Course Offered

AP Course Offerings – Comparative Districts

	Comp. Sci. Principles	Computer Science A	Drawing	Eng Lang	English Lit	Env Sci	Euro Hist	French	German
Manhasset	X	X	X	X	X	X		X	
Garden City	X	X	X	X	X	X	X		
Great Neck South		X	X	X	X	X	X	X	
Great Neck North	X	X	X	X	X	X	X	X	
Herricks	X	X	X	X	X	X		X	
Jericho	X	X	X	X	X	X		X	
Roslyn	X	X	X	X	X	X	X	X	
Syosset	X	X	X	X	X	X	X	X	

“X” = Course Offered

AP Course Offerings – Comparative Districts

	Gov and Politics (Comparative)	Gov and Politics (US)	Human Geography	Italian	Japanese	Latin	Macroeconomics	Microeconomics
Manhasset		X	X	X			X	X
Garden City		X	X				X	
Great Neck South		X	X			X	X	X
Great Neck North	X	X				X	X	X
Herricks		X	X	X			X	X
Jericho		X		X			X	X
Roslyn		X		X			X	
Syosset	X	X	X	X			X	X

“X” = Course Offered

AP Course Offerings – Comparative Districts

	Physics	Music Theory	Psychology	Physics C	Physics I	Physics II	Research	Seminar
Manhasset		X	X	X	X	X	X	X
Garden City	X	X	X					
Great Neck South	X	X	X	X	X			
Great Neck North	X	X	X	X				
Herricks	X	X	X	X	X			
Jericho	X	X	X	X	X	X	X	X
Roslyn	X	X	X	X	X			
Syosset	X	X	X	X				

“X” = Course Offered

AP Course Offerings – Comparative Districts

	<div>Spanish Lang</div> <div>Spanish Lit</div> <div>Statistics</div> <div>US Hist</div> <div>World Hist: Modern</div>				
Manhasset	X		X	X	X
Garden City			X	X	X
Great Neck South	X	X	X	X	X
Great Neck North	X		X	X	X
Herricks	X		X	x	x
Jericho	X		X	X	X
Roslyn	X		X	X	
Syosset	X		X	X	X

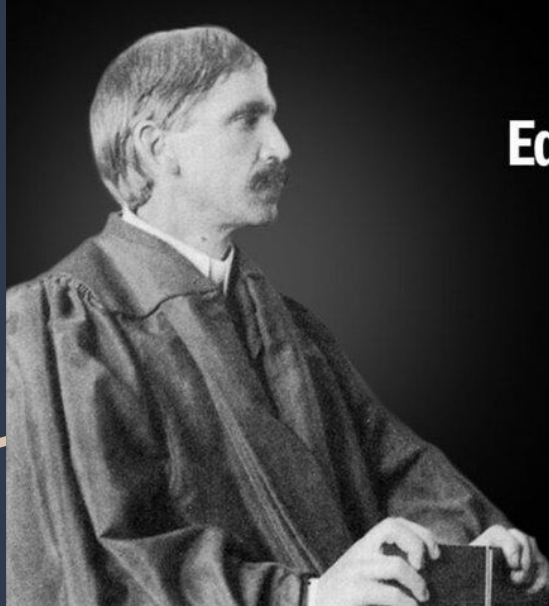
“X” = Course Offered

Advanced Placement Data 2022-23



District	AP Courses Offered	AP Exams Administered	Enrollment	Average # of AP Exams Taken by Enrollment 9-12
Manhasset	29	1,612	962	~1.69
Garden City	21	1,472	1100	~1.34
Syosset	29	2,957	2131	~1.39
Herricks	27	2,238	1339	~1.67
Roslyn	28	1,500	1025	~1.46
Great Neck South	29	1,804	1226	~1.47
Jericho	29	2,109	1205	~ 1.75

Thank you!!



Education is not an affair of
'telling' and being told,
but an **active and
constructive process.**

— *John Dewey*

AZ QUOTES