Course Gap Analysis

27-28 Course Proposals

NY Inspires | Academic Pathways

Manhasset Union Free School District

Board of Education Presentation

October 22, 2026



2027-2028: Proposed Secondary Course Updates

WORLD LANGUAGES

Chinese 3

Continues the Chinese language pathway, strengthening listening, speaking, reading, writing, and cultural understanding through more advanced study.

BIOMEDICAL SCIENCE

PLTW Medical Interventions (GenD)

Third course in the Project Lead the Way Biomedical sequence. Investigates the prevention, diagnosis, and treatment of disease, including genetics, cancer, transplants, immunology, and medical devices.

PHYSICAL EDUCATION

Fitness Training / Weight Room

Expansion of the existing Fitness Training course (75H104). Students practice cardiovascular and strength-training exercises, develop individualized workout plans, and work toward personal fitness goals.

Let's Review: NY Inspires | The Future of Graduation Requirements

From exam-based diploma requirements to demonstrated learning and readiness

NOW | 2026–27

- **Portrait of a Graduate** adopted; personal finance instruction begins in grades 5–12.
- **Current graduation** rules remain in effect.

2027–28

- **One NYS diploma**; Regents exams continue, but passing them would no longer be required for graduation beginning January 2028.
- **Climate education** begins in grades 5–12.

2027 & 2028 GRADE 9

- **Career-connected learning** experience added.
- **Existing credit requirements** continue.
- **Seals and endorsements** recognize additional achievement.

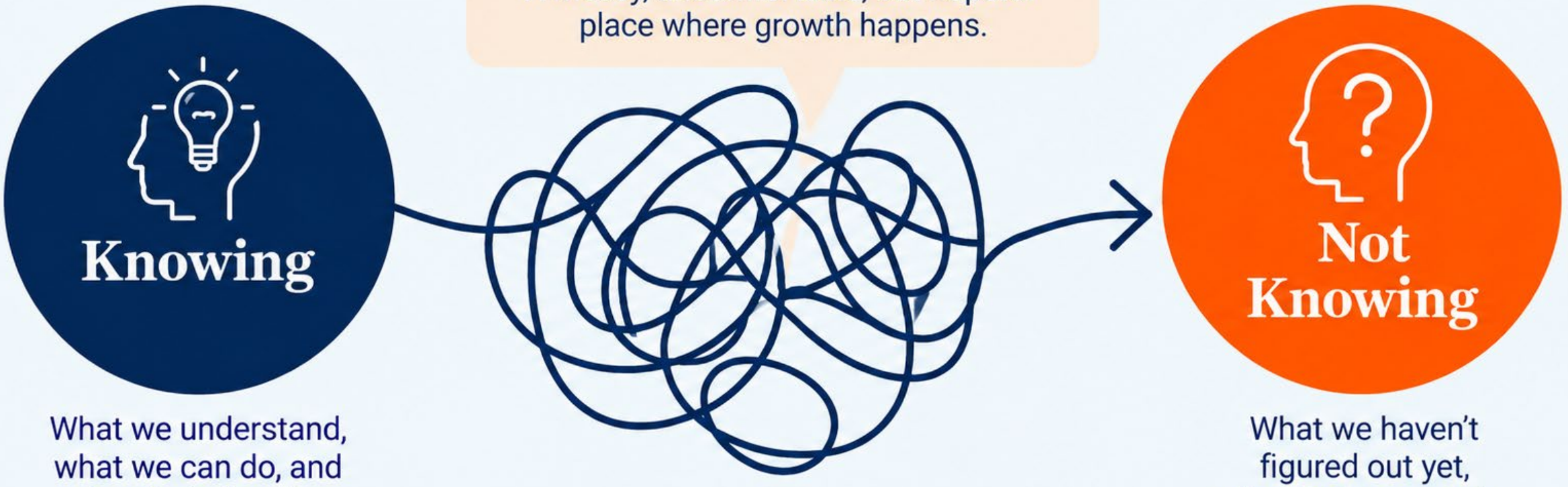
FALL 2029 GRADE 9

- **Full competency-based system** aligned to NYS standards and the Portrait of a Graduate; statewide transcript.
- **First expected graduates:** 2033.

Board takeaway: Course pathways, interdisciplinary learning, and culminating experiences position Manhasset for this transition.

Treating NY Inspires as a Creative Learning Space

The Learning Space
A messy, uncomfortable, but hopeful place where growth happens.



What we understand, what we can do, and what feels familiar.

What we haven't figured out yet, what feels uncertain, and what's next.

Concept by Dr. Becky Kennedy







2026-28 Focus Reimagining Current Offerings:

A Coherent Approach to Expanding Pathways

ACTION STEP: #1

Regents Examinations | A "Do No Harm" Grading Approach

2027–2028 School Year | A Regents score can IMPROVE a student's final course grade—but CANNOT LOWER it.

CURRENTLY

Average of 4 quarters (20% x 4) + 10% midterm + 10% Regents = 100% Final Average

2027-2028

Average of 4 quarters (22.5% x 4) + 10% midterm + Do No Harm Regents/Final = 100% Final Average

Alignment: Supports the NY Inspires direction of separating Regents exam performance from diploma eligibility, while retaining Regents testing under current State requirements.

What Could "Do No Harm" Regents Have on a Student's Final Average?

Important Notes

- The chart assumes that the student's midterm grade equals their four-quarter average and that the student earns 100 on the Regents Examination.
- Illustrative examples before rounding. Actual increases depend on the difference between the Regents score and the four-quarter average.
- **Regents may be used for advanced seals & endorsements.**

FOUR-QUARTER AVERAGE	WITHOUT REGENTS	WITH REGENTS	POTENTIAL INCREASE
60	60	64	**+4.0 points**
70	70	73	**+3.0 points**
80	80	82	**+2.0 points**
85	85	86.5	**+1.5 points**
90	90	91	**+1.0 point**
95	95	95.5	**+0.5 points**



Key message: Under the "Do No Harm" model, the Regents Examination can improve a student's final course average, but it cannot lower it.

GRADUATION TRANSFORMATION | NY Inspires | Pathways, Seals & Endorsements

STATEWIDE DIRECTION

- One New York State diploma, with optional distinctions that recognize achievement beyond baseline graduation requirements.
- Emphasis on demonstrated learning, career-connected experiences, and college, career, and civic readiness.

PATHWAYS	Coherent sequences of courses and experiences that deepen student interests; Manhasset's proposed nine (local) + one (NYSED approved) diploma pathways.
SEALS	State recognitions for demonstrated accomplishment, including biliteracy and civic readiness, currently offered by Manhasset.
ENDORSEMENTS	Additional distinctions for achievement; the State proposes transitioning advanced designations into a seal or endorsement.

STUDENT OPPORTUNITY AND DISTINCTION

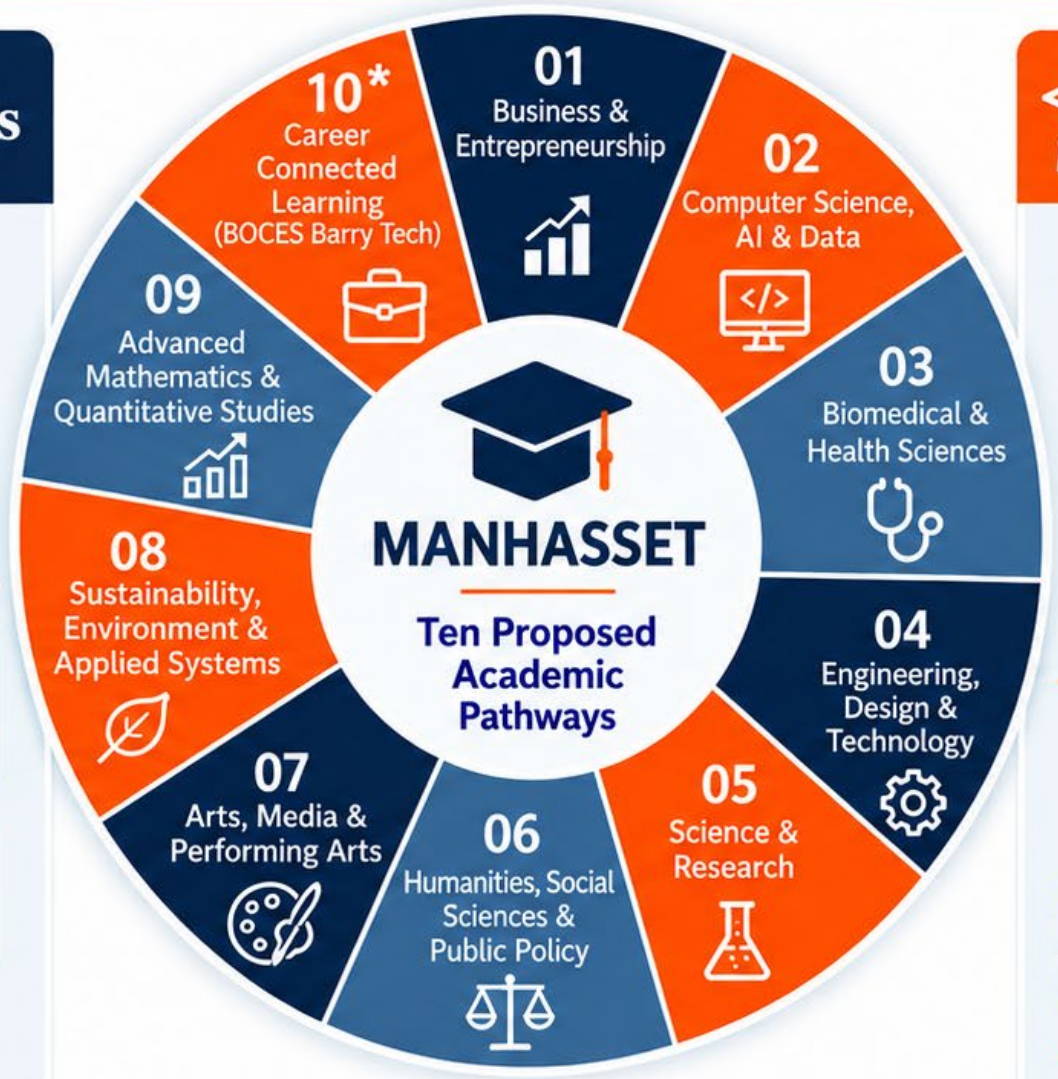
Manhasset | Two State Seals & Ten Proposed Academic Pathways

New York State Seals

Recognize students for demonstrating high levels of **achievement** and **competency** in specific areas.

Seal of Biliteracy

Seal of Civic Readiness



Academic Pathways

- Integrate rigorous coursework, culminating experiences, and real-world learning.
- May include opportunities for industry credentials, dual enrollment, or CTE approval where appropriate.

Locally designed pathways aligned with NY Inspires.

Seals are established NYSED recognitions. Pathway completion does not automatically confer a State seal or endorsement.

* Pathway 10 is a NYSED approved CTE pathway now.

01 Business & Entrepreneurship | 02 Computer Science, AI & Data

01 Business & Entrepreneurship

POTENTIAL COURSE CONNECTIONS

- College Accounting I
- College Business & Marketing Procedures
- AP Microeconomics/Macroeconomics
- Economics
- AP Statistics

FUTURE GOALS: INTERDISCIPLINARY OPTIONS

- Business + CS: financial analytics or fintech prototype
- Business + Biomedical: healthcare venture or market analysis

A CULMINATING EXPERIENCE

Business plan and pitch, financial model, virtual enterprise portfolio, or eligible dual-enrollment assessment.

02 Computer Science, AI & Data

POTENTIAL COURSE CONNECTIONS

- Introduction to Computer Programming
- **Web Design (2026–27)**
- AP Computer Science Principles
- AP Computer Science A
- AP Statistics

FUTURE GOALS: INTERDISCIPLINARY OPTIONS

- CS + Biomedical: health-data analysis
- CS + Business: fintech
- CS + Arts: interactive media and CS User Experience (UX)

A CULMINATING EXPERIENCE

Working application, data investigation, documented AI system evaluation, AP assessment or technical portfolio.

03 Biomedical & Health Sciences | 04 Engineering, Design & Technology

03 Biomedical & Health Sciences

POTENTIAL COURSE CONNECTIONS

- College Principles of Biomedical Science
- College Human Body Systems **(new in 2026–27)**
- Anatomy & Physiology
- Regents/AP Biology
- Regents/AP Chemistry
- Science Research
- PLTW Medical Interventions **(proposed in 2027–28)**

FUTURE GOALS: INTERDISCIPLINARY OPTIONS

- Biomedical + CS: bioinformatics
- Biomedical + Business: healthcare innovation
- Biomedical + Engineering: medical devices

A CULMINATING EXPERIENCE

Biomedical investigation, research defense, medical-device design, public-health analysis or eligible advanced-course assessment.

04 Engineering, Design & Technology

POTENTIAL COURSE CONNECTIONS

- College Introduction to Engineering
- College Aerospace Engineering
- College Principles of Engineering
- College Computer Integrated Manufacturing
- Physics
- 3D Printing and Design

FUTURE GOALS: INTERDISCIPLINARY OPTIONS

- Engineering + Math: optimization/modeling
- Engineering + Business: prototype-to-market
- Engineering + Sustainability: efficient systems

A CULMINATING EXPERIENCE

Tested prototype, design portfolio, engineering challenge, technical presentation or approved CTE assessment where applicable.

05 Science & Research | 06 Humanities, Social Sciences & Public Policy

05 Science & Research

POTENTIAL COURSE CONNECTIONS

- Introduction to Scientific Research
- Advanced Science Research I/II
- Regents/AP Biology
- Regents/AP Chemistry
- Regents/AP Physics
- AP Statistics

FUTURE GOALS: INTERDISCIPLINARY OPTIONS

- Research + Biomedical: translational studies
- Research + CS: computational investigations
- Research + Sustainability: field research

A CULMINATING EXPERIENCE

Original study with methods, findings, presentation and defense; competition submission or equivalent research product.

06 Humanities, Social Sciences & Public Policy

POTENTIAL COURSE CONNECTIONS

- Regents/AP U.S. Government and Politics
- Regents/AP U.S. History
- AP World History
- Global History & Geography
- AP Human Geography
- AP Psychology
- AP Seminar
- AP Research
- Introduction to Law
- Constitutional Law
- AP English Language

FUTURE GOALS: INTERDISCIPLINARY OPTIONS

- Humanities + Data: evidence-based policy analysis
- Humanities + Languages: global affairs
- Humanities + Arts: public communication

A CULMINATING EXPERIENCE

Policy brief, historical inquiry, civic action project, debate/defense, research paper or eligible AP assessment.

07 Arts, Media & Performing Arts | 08 Sustainability, Environment & Applied Systems

07 Arts, Media & Performing Arts

POTENTIAL COURSE CONNECTIONS

- AP Art and Design
- AP Art History
- Advanced Studio Art
- Drawing/Painting
- Computer Graphics
- Digital Photography
- Film Studies and Production
- Music Production/Songwriting
- Theatre

FUTURE GOALS: INTERDISCIPLINARY OPTIONS

- Arts + CS: interactive media
- Arts + Business: creative enterprise
- Arts + Humanities: documentary and public storytelling

A CULMINATING EXPERIENCE

Curated portfolio, exhibition, performance, original production, artist statement or advanced-course assessment.

08 Sustainability, Environment & Applied Systems

POTENTIAL COURSE CONNECTIONS

- AP Environmental Science
- Marine Biology
- Physical & Social Impacts of Natural Hazards
- Regents/Honors/AP Earth and Space Science
- AP Human Geography
- Economics
- Science Research

FUTURE GOALS: INTERDISCIPLINARY OPTIONS

- Sustainability + Engineering: resource-efficient design
- Sustainability + Business: sustainable enterprise
- Sustainability + Humanities: climate policy

A CULMINATING EXPERIENCE

Environmental field study, sustainability audit, systems model, design proposal or policy recommendation.

PROPOSED MANHASSET ACADEMIC PATHWAY | NY INSPIRES ALIGNMENT

09 Advanced Mathematics & Quantitative Studies | 10 Career Connected Learning

09 Advanced Mathematics & Quantitative Studies

POTENTIAL COURSE CONNECTIONS

- Regents/Honors Algebra
- Regents/Honors Geometry
- Regents/Honors Algebra 2
- Regents/Honors Pre-Calculus
- AP Calculus AB/BC
- AP Statistics
- Multivariable Calculus
- AP Computer Science A

FUTURE GOALS: INTERDISCIPLINARY OPTIONS

- Math + CS: algorithms/data science
- Math + Business: quantitative finance
- Math + Engineering: mathematical modeling

A CULMINATING EXPERIENCE

Advanced problem-solving portfolio, original mathematical investigation, applied model, or AP or dual-enrollment assessment.

10 Career Connected Learning

Nassau BOCES Barry Tech

POTENTIAL COURSE CONNECTIONS

- Automotive Technology
- Aviation Operations
- Barbering
- Carpentry
- Computer Technology
- Construction Electricity
- Cosmetology
- Culinary Arts
- Criminal Justice and Law Enforcement
- Dental Assisting
- Early Childhood Education
- Fashion Design Technology
- Marine Biology
- Medical Assisting
- Nurse Assisting
- Phlebotomy
- Physical Therapy Aide
- Plumbing
- Veterinary Science
- Welding

FUTURE GOALS: INTERDISCIPLINARY OPTIONS

- Career exploration + academic coursework
- Industry credentials + work-based learning
- Career pathway + college credit (where applicable)

A CULMINATING EXPERIENCE

Industry-aligned technical project, work-based learning, professional portfolio, or credential assessment, as applicable.



Thank you.

Questions & Discussion

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Every child. Every day.
Manhasset Public Schools