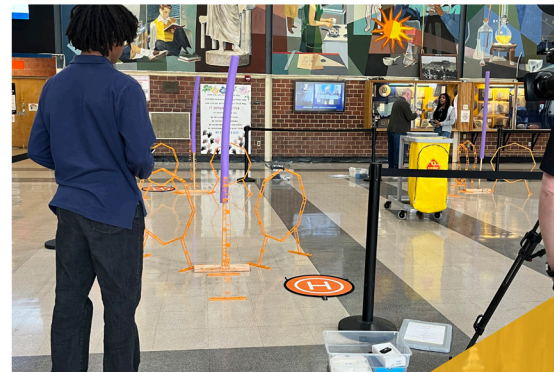




The Baldwin High School **ACADEMIC ACADEMIES** *Program*



VISIT OUR WEBSITE:

www.baldwinschools.org/academies

CONNECT WITH US ON LINKEDIN:

www.linkedin.com/school/baldwinschools

**OPEN TO ALL STUDENTS
ENROLL TODAY!**

Details inside >>



WHAT IS SCHOOL2CAREER?

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ENSURING COLLEGE, CAREER, LIFE READINESS

The mission of the Baldwin Union Free School District is to support students' academic, social and moral growth to foster lifelong commitment to learning, and to encourage responsible contributions to society. Although there is a lot to be explored inside our classrooms, Baldwin Union Free School District believes that experiential learning can help bring the theorized practices learned in the classroom to life. With this mission in mind, our school community has several opportunities available to all students within the district for work-based learning under the umbrella of "School2Career."

Whether it is mentorship, internships or through the district's award winning Academic Academies, students will develop an entrepreneurial spirit with regards to their own academic, personal, social, vocational and civic future. Under this framework, students will construct essential questions for exploration, explore authentic workplace problems and solutions, and develop projects that will give back to the community, all with the guidance of the teachers, administrators and staff members within Baldwin schools, as well as accomplished mentors from the community. Education is a journey, and at Baldwin, we believe that students are the captains of their own pedagogical voyages.

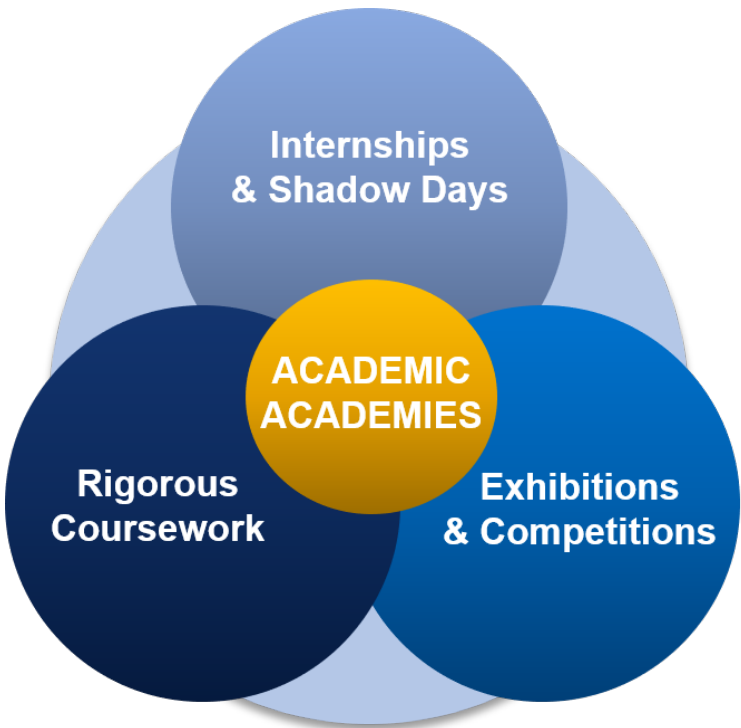
WHAT IS AN ACADEMIC ACADEMY?

OPEN TO ALL STUDENTS

The Academic Academies Program at Baldwin High School is among the district's various School2Career offerings. The academies provide students with relevant educational and vocational experiences, leading to the development of strong academics, leadership, communication and career skills. Students connect the classroom to the real-world of work through a combination of:

- Professional Shadow Days
- Internships
- Inter-School, Regional and National Competitions
- Co-Curricular Activities

The goal of the Academic Academies Program is to provide students with a multitude of learning experiences to gain the skills and knowledge necessary to succeed in the challenges of the emerging global community. Required courses are linked with interdisciplinary instruction and capstone projects. Academy electives provide career focus to existing curriculum to enhance the development of the skills required for the chosen profession. Extracurricular clubs, shadow days and internships provide real-world experiences to help connect the classroom to the world of work.



Through a triangulated approach, the Academic Academies ensure college, career, and life-readiness for Baldwin students.

News and Accolades

The Academic Academies continue to garner accolades and media placements, capturing the attention of education leaders across the country due to the unique curriculum and real-world application of this highly innovative program.

For the latest news and recognition of our academies program, please visit www.baldwinschools.org/academies



or scan this QR code with your cell phone camera.



FUTURE-READINESS FOR ALL...

Academies at a Glance

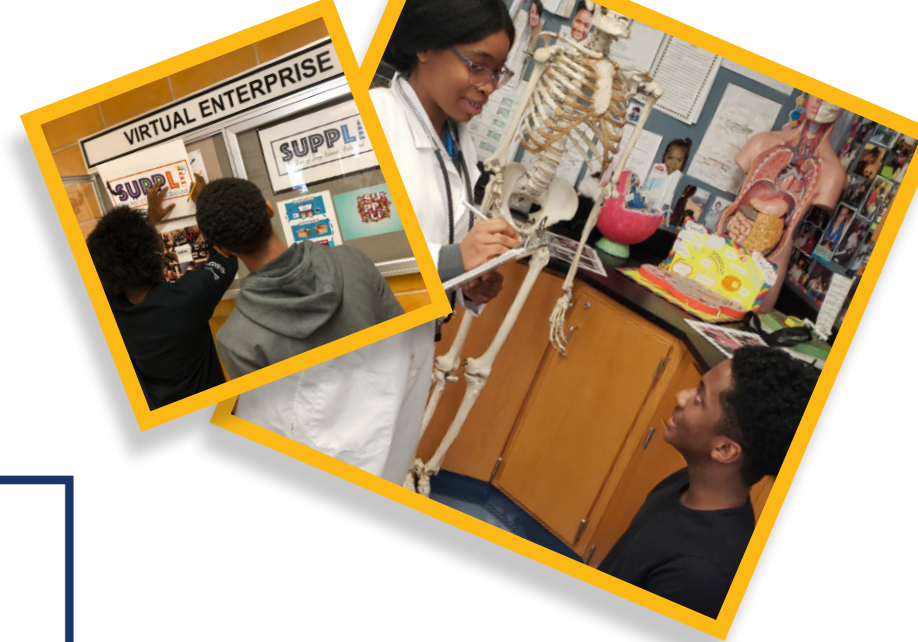
7
ACADEMIC ACADEMIES

>500
HS STUDENTS ENROLLED

>40
INDUSTRY
PARTNERSHIPS



SCAN QR CODE FOR FULL
COURSE DESCRIPTIONS, VIDEO
TESTIMONIALS, AND MORE!



SCHOOL2CAREER OVERVIEW

All Work-Based Learning

Life Skills
Work-Based Learning
Program

Hands-on
Experiences in Local
Businesses

Baldwin High
School@Shubert and
CDOS+1
Graduation Pathway

Work-Based
Learning Seminar

Pre-Academies *Precursor to Academic Academy Program*

13 Pre-Academies,
Baldwin Middle
School, Grade 8

Art
Design and Architecture
Future Teachers of Baldwin
History Day
Journalism
Junior Virtual Enterprise
Odyssey of the Mind
PLTW Medical Detectives
Robotics
Science Research
Speech and Debate
Stock Market
Theater

Competitions and
Hands-On Experiences

Shadow Days,
Internships, and Master
Classes

Academies *Immersion into a Specific Career Path*

7 Academic Academies,
Baldwin High School,
Grades 9-12

Education
STEM/Engineering
Fine & Performing Arts
Global Business
Government & Law
Medical & Health Sciences
New Media

Rigorous, Relevant
Coursework (Including
College-Level Classes)

Competitions and
Hands-On Experiences

Mentoring Program

High School, Middle
School, and Elementary
Schools

EDUCATION ACADEMY

The mission of the Education Academy is to provide students with a program that fosters college and career readiness through rigorous coursework and practical experiences in the area of education. The district strives to create competent, caring, reflective practitioners, who advocate for children and youth; develop learning environments characterized by trust and genuine concern; initiate and respond creatively to change; value service to others; and teach confidently in a changing world. The goal of the Education Academy is to increase the pool of diverse candidates and to assist students in developing knowledge, skills, and dispositions necessary to become effective and caring teachers in an ever-changing society.

INDUSTRY PARTNER

In partnership with Molloy College, the Education Academy strives to map a clear path for students to successfully transition from high school into Molloy and finally back to Baldwin to complete their teaching residency. By successfully completing the Education Academy, students may enter Molloy College as sophomores and provide Baldwin and other school districts with diverse and exceptionally qualified teaching candidates.

Brookside Student Teaching

Energeia by Molloy College

Horseability

Kyle Denman

HANDS-ON LEARNING EXPERIENCES

Students participate in site visitations to K-12 schools and colleges. Students will also be involved in shadowing teachers, and they will participate in student teacher experiences within schools in Baldwin UFSD.

They will also provide after-school tutoring and mentoring for other Baldwin High School students so they can gain a deeper insight into pedagogical practices and the science of learning.



“Being able to be a Student-Assistant at Brookside Elementary School truly helped me develop a passion for teaching. Working with students, as well as differentiating the class tasks for their individual needs, showed me what it truly means to be an educator.”
- Abigail, 12th Grade

COURSE SEQUENCE

The Education Academy electives are linked to a student’s English classes and college courses through Molloy College. Specific electives are required each year and additional electives may be added to a student’s program if they have a free period during any year.

FIRST YEAR

Early Childhood Education.....Half Year

SECOND YEAR

Introduction to Teaching.....Half Year

THIRD YEAR

College Critical Issues in Education.....Half Year

FOURTH YEAR

College Foundations in Education.....Full Year
and/or
Senior Internship.....Full Year

Suggested Electives:

AP Psychology.....Full Year
Mindfulness.....Half Year
College Public Speaking.....Full Year
College Sociology.....Full Year
AP Research.....Full Year

“Being a part of the academy has been a highlight of my high school experience. Being able to explore teaching, at the college and experiential level, helped show me how strong my passion for teaching truly is.”
- Daniella, 12th Grade

STEM/ENGINEERING ACADEMY

The mission of the STEM/Engineering Academy is to educate a cross-section of students with a variety of interests and strengths to infuse traditional school curricula with real-world problem-solving, collaboration and inquiry-based learning, and to prepare the engineers, researchers, inventors and entrepreneurs of the 21st century. The STEM/Engineering Academy aims to provide students with a multitude of learning experiences to gain the skills and knowledge necessary to succeed in the challenges of the emerging global community through a dynamic, technology based, and college preparatory, small school environment.

INDUSTRY PARTNERS

- Baldwin Foundation for Education

Calculus Roundtable

Cameron Engineering

Comet

Cradle of Aviation Museum

Department of Public Works

FIRST Robotics

Hofstra University
- Intitechnology

Junior Achievement

Koalesce Designs

LI STEM Hub

Morrison Mentors

National Grid

TJ Architectural Woodwork

Zambrano Architecture

HANDS-ON LEARNING EXPERIENCES

Students participate in visitations to local engineering firms such as Northrop Grumman and National Grid, attend panel discussions, visit STEM & Engineering fairs and symposiums, are presented with guest speakers, participate in shadow days and competitions, and complete volunteer work and/or an internship. The FIRST Robotics Team, 1546 CHAOS Inc., provides an after school activity for students. They also compete in the FIRST Robotics Competition Regional competitions in New York City or at Hofstra University. The students started an in-house VEX robot competition for underclassmen with the support of the Baldwin Foundation for Education.



“This Academy has given me unparalleled opportunities to explore my interests in computer engineering. Working with our community partners allowed me to attain hands on experience on building computers and computer design.”
- Nayah, 12th Grade

COURSE SEQUENCE

The STEM/Engineering Academy Electives are linked to a student’s science class. Specific electives are required each year and additional electives may be added to a student’s program if they have a free period during any year.

FIRST YEAR

- Design and Discovery 1.....Half Year
- and
- Design and Discovery 2.....Half Year

SECOND YEAR

- College Robotics.....Half Year
- or
- College Coding.....Half Year

THIRD YEAR

- College C.A.D.....Half Year
- or
- Introduction to the World of Drones.....Half Year

FOURTH YEAR

- College Engineering.....Full Year
- and/or
- Senior Internship.....Full Year

Suggested Electives:

- Applied Coding and Computer Science Principles.....Half Year
- AP Calculus.....Full Year
- AP Computer Science Principles.....Full Year
- AP Computer Science Applications.....Full Year
- College Architecture.....Full Year
- AP Physics 1.....Full Year
- AP Physics C.....Full Year
- College Architecture.....Full Year

“Through the Design and Discovery course, I learned the impact that engineering has had on society. Engineering connects to all facets of STEM. Learning the design process allowed me to develop a mindset that emphasizes problem solving.”
- Issac, 10th Grade

FINE & PERFORMING ARTS ACADEMY

The Fine & Performing Arts Academy allows students to explore and refine their specific skills and interests in the arts through four distinct concentration paths. A key component of the academy experience is for each student to maintain and be recognized for their out of school participation in artistic events, such as NYSSMA festivals, art exhibitions, musicals and drama productions. These experiences are key real-world developmental components to the refinement of what students are learning in curricular courses.

PATHWAYS

- Music Performance Path:** Instrumental and vocal students will have the opportunity to reach their personal best as musicians through participation in rigorous performance ensembles.
- Fine Arts Path:** Creative arts students will have the ultimate opportunity to develop their own artistic voice, vision and artistic process. Through mediums such as oil paint, watercolors, acrylic paints, charcoal and pastels, students will prepare for post-secondary life as an artist.
- Graphic Design Path:** Students will explore the world of digital design through a range of courses in photography, computer graphics, and marketing and design. Each of these courses teach how to use Adobe Photoshop to enhance their artistic development. Students will have the opportunity to advance their photographic skills through the use of DSLR cameras while honing their editing skills on a state-of-the-art Apple computer lab.
- Dramatic Arts Path:** Students will explore various roles in theatre arts. Whether on the stage or designing elements for the stage, students will have an opportunity to develop theatrical skills. Leveraging Baldwin High School’s extensive, high quality co-curricular musicals and drama productions, students will weave their artistic and theatrical curricular experiences into extensive preparation for a post-secondary portfolio for theatrical life.
- Photography Path:** Students will explore the concepts and practice of digital photography. Students will understand the aesthetic principles as they relate to space, light, color, exposure and composition. Through rigorous, progressive course opportunities, students will prepare for post-secondary life as a photographer.

INDUSTRY PARTNERS

- Isadora Duncan Foundation
- Dr. Sara Corry Composer
- Songbird Journeys
- Teatro Yerbabruja

HANDS-ON LEARNING EXPERIENCES

- College and/or professional experience will take place during all four years, which will allow them to develop a sense of the next steps in their artistic career. Experiences may include:
- Perform in Metropolitan Youth Orchestra
 - Nassau Suffolk Performing Arts Performance Demonstration
 - Participate in Master Experiences
 - Participate in Nassau County and New York State Ensembles
 - After-School Ensembles and Productions
 - Long Island University (LIU) Post Partnership Courses
 - LIU Post Partnership Internship and/or Shadow Day

“The Fine and Performing Arts Academy has allowed me to explore what it means to be a musician. Through specialized classes, teachers dedicated to diversifying learning and internship opportunities, I feel college ready!”
- Amiya, 10th Grade

COURSE SEQUENCE

The Fine & Performing Arts Academy electives are linked to a student’s particular classes and college courses through Long Island University. Specific electives are required each year and additional electives may be added to a student’s program if they have a free period during any year.

MUSIC PERFORMANCE

- FIRST YEAR**
Ensemble.....Full Year
- SECOND YEAR**
Ensemble.....Full Year
- THIRD YEAR**
Music Theory.....Full Year
and
Ensemble.....Full Year
- FOURTH YEAR**
Ensemble.....Full Year
and/or
Senior Internship.....Full Year

FINE ARTS

- FIRST YEAR**
Art 1.....Full Year
- SECOND YEAR**
Art 2.....Full Year
- THIRD YEAR**
Art 3 Honors.....Full Year
- FOURTH YEAR**
Art 4/AP Studio Art.....Full Year
and/or
Senior Internship.....Full Year

GRAPHIC DESIGN

- FIRST YEAR**
Art 1.....Full Year
and/or
Photo 1.....Half Year
- SECOND YEAR**
Computer Graphics 1Half Year
and
Computer Graphics 2.....Half Year
- THIRD YEAR**
Graphic Design and Marketing.....Half Year
- FOURTH YEAR**
AP 2D Design.....Full Year
and/or
Senior Internship.....Full Year

DRAMATIC ARTS FOCUS

- FIRST YEAR**
Creative Art.....Half Year
or
Ensemble.....Full Year
- SECOND YEAR**
Stagecraft.....Full Year
- THIRD YEAR**
Theater Arts 1.....Full Year
- FOURTH YEAR**
Theater Arts 2.....Full Year
and/or
Senior Internship.....Full Year

GLOBAL BUSINESS & ENTREPRENEURSHIP ACADEMY

The goal of the Global Business & Entrepreneurship Academy is to prepare its students to manage and/or own business enterprises in a growing global economy. Students will gain an understanding of successful business practices, including finance, investment, growth, sales, and returns of investment, as well as the legal aspects of business management and/or entrepreneurship. Students will also gain transferable skills that can be applied in any career path and personal financial venture.

INDUSTRY PARTNERS

- ACE Mentorship
- Baldwin Chamber of Commerce
- Baldwin Civic Association
- Be The Foundation
- Eugenia Grace
- Harbor Freight Fellows
- Hofstra University
- Jack and Jill in Nassau County
- Junior Achievement
- Madison Square Garden
- Microsoft
- Molloy College
- Nassau County Comptroller’s Office
- Northwell Health
- Piccolina Fashions
- SportsHi
- Sugarberry Bakery
- Swirl Bliss
- Ten Capital
- Tepper, Tepper & Koprowski
- The Clear Cut
- The Nail Studio by Ms.
- Kreative Kay
- Vienna Cookie Company
- Winning on Wednesday

HANDS-ON LEARNING EXPERIENCES

Students participate in site visitations to local businesses, attend panel discussions, visit career fairs and symposiums, are presented with guest speakers, participate in shadow days and competitions, and complete volunteer work and/or an internship. The Future Business Leaders of America (FBLA) provides an after school activity.



“Virtual Enterprise has allowed me to step out of my comfort zone on every level. Participating in competitions showed me that I am capable of being an effective communicator and an entrepreneurial leader.”
- Mateo, 12th Grade

COURSE SEQUENCE

The Global Business & Entrepreneurship Academy electives are linked to a student’s social studies class. Specific electives are required each year and additional electives may be added to a student’s program if they have a free period during any year.

FIRST YEAR	
Business and Global Economy.....	Half Year
and/or	
Marketing and Entrepreneurship.....	Half Year
SECOND YEAR	
College Personal Finance and Business Math.....	Half Year
and/or	
Sports and Entertainment Marketing.....	Half Year
THIRD YEAR	
College Business Management	Full Year
or	
Virtual Enterprise.....	Full Year
FOURTH YEAR	
Virtual Enterprise.....	Full Year
or	
Senior Internship.....	Full Year

Suggested Electives:	
College and Career Planning.....	Half Year
College Accounting.....	Full Year
AP Psychology.....	Full Year
Graphic Design and Marketing.....	Half Year

“The Global Business and Entrepreneurship Academy has afforded me invaluable opportunities that have helped me create a network for my post-secondary journey.”
- Chloe, 12th Grade



GOVERNMENT & LAW ACADEMY

The mission of the Government & Law Academy is to provide students with a program that fosters college and career readiness through rigorous coursework and practical experiences in the areas of law and politics. The goal of this program is to expose students to career possibilities in the fields of politics, law, law enforcement, and criminal justice through educational and authentic activities. This program will prepare students for the challenges of post-secondary education and empower students to be independent thinkers and leaders, make good public policy decisions, and create a better community.

INDUSTRY PARTNERS

- Assemblywoman Judy Griffin
- Hempstead Prevention Coalition
- Hofstra University Law Department
- Mayor Kennedy
- Molloy College
- Nassau County Court System
- Nassau County Department of Public Works
- Nassau County Peer Diversion Court
- Nassau County Police
- Northwell Health Legal Department
- Shanker Associates
- Turn Up
- We Thrive



HANDS-ON LEARNING EXPERIENCES

Students participate in site visitations to local law and government offices and police departments, attend panel discussions, visit colleges and academic departments, attend symposiums, are presented with guest speakers, participate in shadow days and competitions, and complete volunteer work and/or an internship. The Youth for Political Awareness Club, Mock Trial Team, and Debate Club provide after-school activities for students.

“Through my Academy classes, I am able to be fully immersed in the world of law. I am able to utilize, analyze and dissect real cases in history to truly drive my own learning.”
- Kaylah, 10th Grade

COURSE SEQUENCE

The Government & Law Academy electives are linked to a student’s social studies class. Specific electives are required each year and additional electives may be added to a student’s program if they have a free period during any year.

LAW

- FIRST YEAR**
See You in Court.....Half Year
- SECOND YEAR**
Justice in the Modern World.....Half Year
- THIRD YEAR**
College Law and Crime.....Half Year
and/or
College Public Speaking.....Half Year
- FOURTH YEAR**
College Public Affairs.....Half Year
and/or
College Economics Issues and Ideas.....Full Year
and/or
AP Government and Politics & Economics...Full Year
and/or
Senior Internship.....Full Year

- Suggested Electives:**
- AP Research.....Full Year
- College Business Law.....Full Year
- College Sociology.....Half Year
- AP Psychology.....Full Year

GOVERNMENT

- FIRST YEAR**
See You In Court.....Half Year
- SECOND YEAR**
Justice in the Modern World.....Half Year
- THIRD YEAR**
College Law and Crime.....Half Year
and/or
College Public Speaking.....Half Year
- FOURTH YEAR**
College Public Affairs.....Half Year
and/or
College Forensics.....Half Year
and/or
Senior Internship.....Full Year

- Suggested Electives:**
- AP Research.....Full Year
- College Business Law.....Full Year
- College Sociology.....Half Year
- AP Psychology.....Full Year

MEDICAL & HEALTH SCIENCES ACADEMY

The mission of the Medical & Health Sciences Academy is to provide a program that will serve a diverse student population with the educational and practical experiences that motivate, educate and prepare students for higher education in the field of medicine. The goal of the program is to introduce students to the many different areas of the healthcare field and give them an opportunity to develop the skills and knowledge necessary to succeed in a chosen area of healthcare, including allied health, EMT, radiology, phlebotomy, medical technician, nursing, physician assistant, pharmacy, and doctor.

INDUSTRY PARTNERS

- Baldwin Animal Hospital
- Catholic Health Services
- Cold Spring Harbor Laboratory
- Hofstra University
- Mercy Medical Center
- Molloy College
- North Shore LIJ Franklin Hospital
- Northwell LIJ Health System
- South Nassau Communities Hospital



HANDS-ON LEARNING EXPERIENCES

Students participate in site visitations to local hospitals and medical facilities, attend panel discussions, visit health fairs and symposiums, are presented with guest speakers, participate in shadow days and competitions, and complete volunteer work and/or an internship. The Mercy Medical Explorers Club provides an after school activity for the students. The students sponsor blood drives at the high school and are planning a community health fair for the future.

“The Medical and Health Sciences Academy has opened my eyes to the many careers that one can have in the medical field. Thraough the rigorous classes, shadow days and guest speakers, I have been able to see first hand what medicine looks like in the real world.”
- Shalom, 10th Grade

COURSE SEQUENCE

The Medical & Health Sciences Academy electives are linked to a student’s science class. Specific electives are required each year and additional electives may be added to a student’s program if they have a free period during any year.

FIRST YEAR
Allied Health.....Half Year

SECOND YEAR
EMT.....Half Year

THIRD YEAR
Medical Technology.....Half Year
and
Radiology.....Half Year

FOURTH YEAR
Anatomy and Physiology.....Full Year
and/or
Senior Internship.....Full Year

Suggested Electives:
AP Biology.....Full Year
AP Chemistry.....Full Year
AP Research.....Full Year
Mindfulness.....Half Year
AP Seminar.....Full Year
AP Psychology.....Full Year

“Being able to participate in the Molloy College Nursing Shadow Day was life changing for me. I was able to watch my mentor participate in clinicals and see real life applications of the theories I was learning in my academy classes.”
- Ayanna, 11th Grade

NEW MEDIA ACADEMY

The mission of Baldwin’s New Media Academy is to provide students with opportunities to foster college and career readiness through rigorous coursework and practical experiences in new media. New media exposes students to the design of digital based content; media that supports advocacy and advance social justice; the possibilities and potential of social media; and applications of new media in both traditional and non-traditional careers. Students will be prepared for the job market as leaders in this rapidly evolving field.

INDUSTRY PARTNERS

- Business Instructor Association of New York State
- Disruptive Factory
- Molloy College Center for Social Innovation
- NYS Regional Economic Development Council

HANDS-ON LEARNING EXPERIENCES

Students participate in site visitations to various new media institutions, attend panel discussions, visit colleges and academic departments, attend symposiums, are presented with guest speakers with expertise in the emerging field, partake in competitions, complete volunteer work, engage in opportunities for independent study and/or an internship, participate in annual New Media Summits, and take part in shadow days and internships as part of the entrepreneurship and career pipelines. There is also the yearbook club, the school newspaper, as well as the literary magazine, *The Phoenix*.



“The New Media Academy allows me to express myself creatively through the medium of film. I am thankful that I am able to explore the art of visual storytelling, while also learning about production and editing, while only being a high school freshman.”
- Kingston, 9th Grade

COURSE SEQUENCE

Broader New Media themes are weaved into a student’s English class as four modules: Multimodal Composition, Social Media, Digital Storytelling, and Online Expression. These modules will be infused through existing courses in 9th and 10th grades.

FIRST YEAR

Digital Journalism.....Half Year

SECOND YEAR

College Introduction to New Media.....Half Year
and/or
Media Production.....Half Year

THIRD YEAR

College Public Speaking.....Half Year
and/or
TV Studio.....Full Year

FOURTH YEAR

Video Production.....Full Year
and/or
Senior Internship.....Full Year

Suggested Electives:

Theater Arts 1.....Full Year
Theater Arts 2.....Full Year
Photo 1.....Half Year
Photo 2.....Half Year
Graphic Design and MarketingHalf Year
Cartooning.....Half Year
Introduction to the World of Drones.....Half Year



V91323

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Baldwin Union Free School District

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We Are Innovative! We Are Inclusive! We Are Involved! We Are Baldwin!