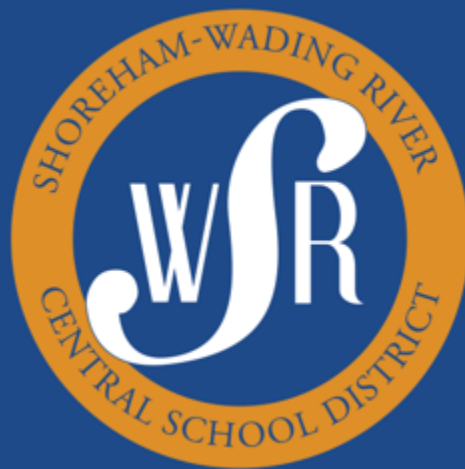


Shoreham-Wading River High School

2025-2026

Career Pathways Supplemental Brochure

*“Tomorrow’s Leaders
Learning Today”*



Shoreham Wading River High School

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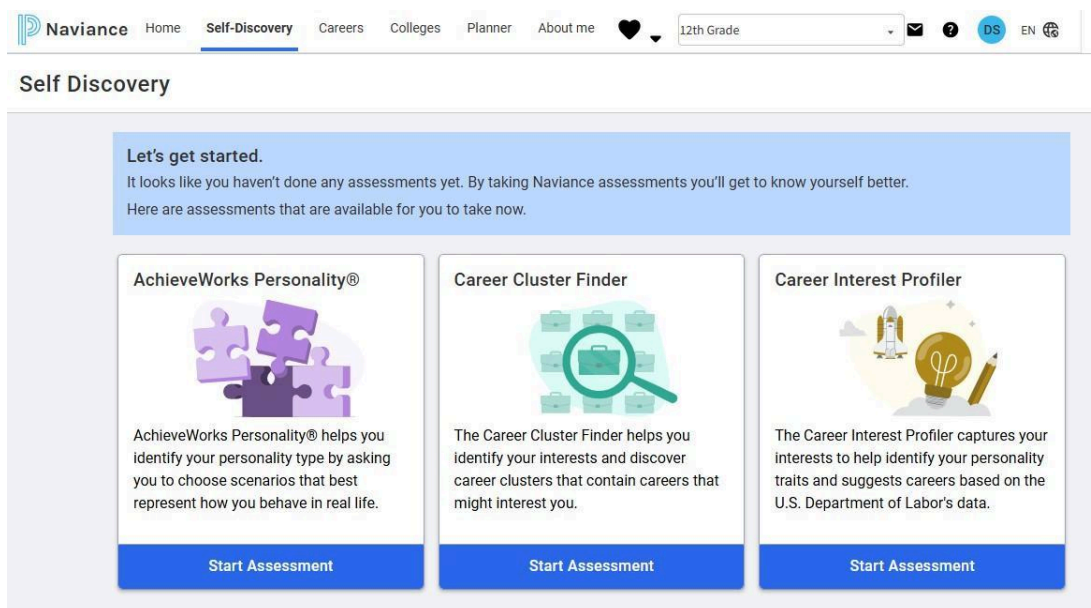
Eric Bramoff, Athletics

HOW TO USE THE SWR HIGH SCHOOL PATHWAYS SUPPLEMENTAL CATALOG

The Pathways Supplemental Catalog should be used alongside the Shoreham-Wading River High School Course Offerings Book when planning your schedule each year. As you have the opportunity to plan your schedule, consider the career fields that fit your strengths and interests, and discuss the elective options with your guidance counselor. Also in the catalog are extracurricular activities which align to those pathways to further enhance your experiences within that pathway. Together with the course catalog, you will be able to design a sequence of study that meets your needs and goals as a Shoreham-Wading River High School student, future collegian and future member of the workforce.

You will also find “career guides” which showcase some of the in-demand career professions within each pathway. These guides identify the education and training required for various levels within that profession, and the starting salaries one can expect based on those levels. They also highlight the SWR courses and clubs most aligned to those careers.

Naviance is a college and career readiness platform that helps connect academic achievement to post-secondary goals. It also allows students to create a plan for their futures by helping them discover their individual strengths and learning styles and explore college and career options based on their results.



The screenshot shows the Naviance website's 'Self-Discovery' section. At the top is a navigation bar with links for Home, Self-Discovery (which is highlighted), Careers, Colleges, Planner, and About me. There is also a heart icon, a dropdown menu set to '12th Grade', and icons for email, help, and language settings (DS, EN, and a globe). Below the navigation bar, the 'Self Discovery' title is followed by a light blue banner that says 'Let's get started.' and provides instructions on taking assessments. Below this banner are three white boxes, each representing a different assessment tool. Each box contains an icon, a title, a brief description, and a blue 'Start Assessment' button.

Assessment Tool	Description	Action
AchieveWorks Personality®	AchieveWorks Personality® helps you identify your personality type by asking you to choose scenarios that best represent how you behave in real life.	Start Assessment
Career Cluster Finder	The Career Cluster Finder helps you identify your interests and discover career clusters that contain careers that might interest you.	Start Assessment
Career Interest Profiler	The Career Interest Profiler captures your interests to help identify your personality traits and suggests careers based on the U.S. Department of Labor's data.	Start Assessment

Students create a Naviance account in the 8th grade during their home and careers class. Please contact school counselor if they forget their log in or password.

COURSE LEVELS

AP – Advanced Placement – courses are designed with a specific focus on a college level approach to content, culminating in the Advanced Placement exam. AP Courses specifically challenge high school students to become college students; mastery of curriculum and development of critical thinking skills enable learners to become truly articulate in a specific subject and to successfully take the Advanced exam and ultimately receive college credit.

DE – Dual Enrollment – allows high school students an opportunity to enroll in postsecondary courses and receive both high school and postsecondary credit.

H – Honors – Honor level courses are designed to enrich the student by offering an enhanced curriculum in each subject area, with particular attention to developing higher order thinking skills and sophisticated understanding of course material. They invite not only knowledge, but also insight and expertise for students accepting the challenge of the Honors curriculum.

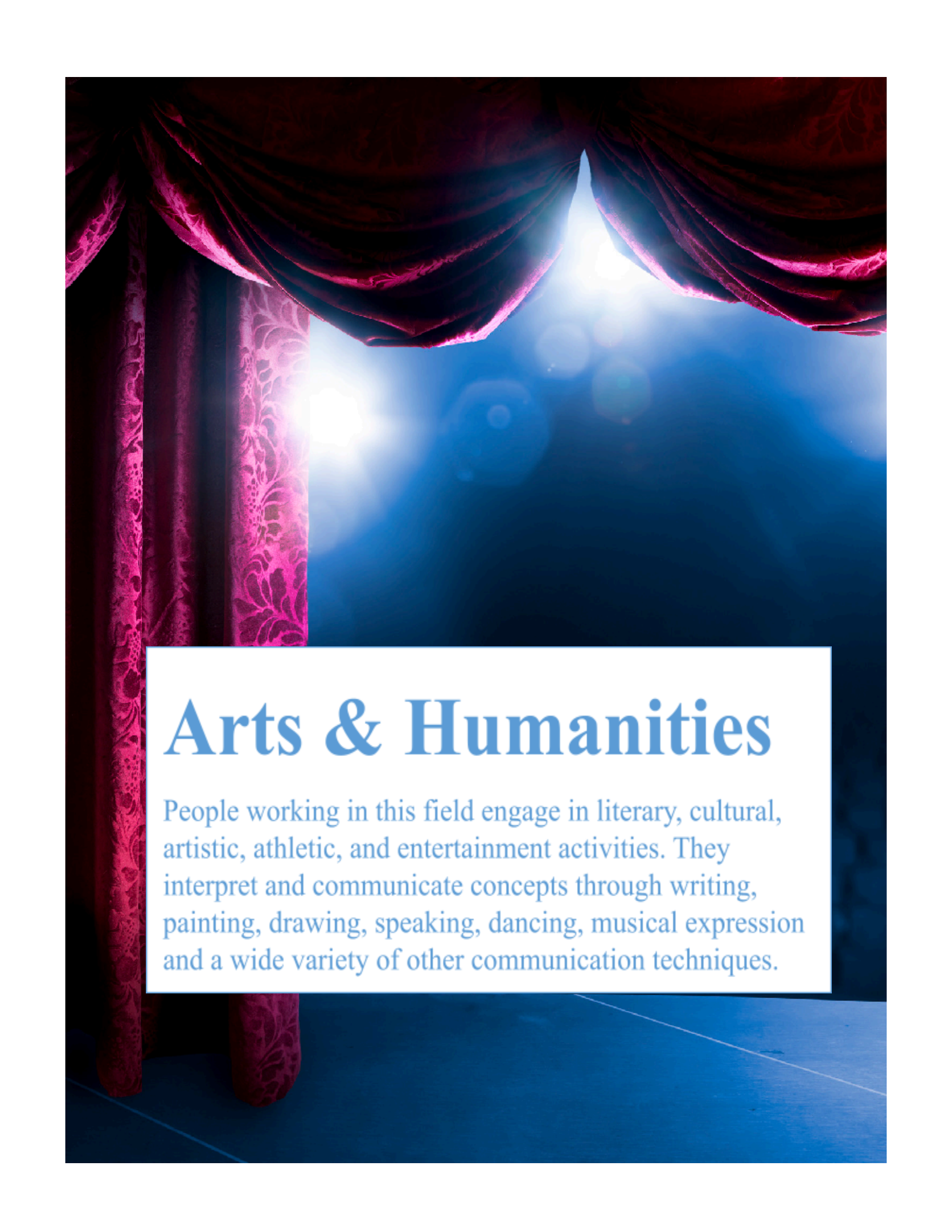
R – Regents – core high school subjects required for a Regents Diploma to graduate.

Course offerings may be subject to change based on the discretion of Shoreham-Wading River Schools. It may not be possible to offer all of the courses listed if student enrollment is too low to run a course.

Dual Enrollment Courses:

Shoreham-Wading River High School Students have the opportunity to take nearly 30 different courses for college credit through dual enrollment courses via a variety of colleges and universities including, but not necessarily limited to: **SUNY Stony Brook University, Suffolk County Community College, Long Island University and SUNY Farmingdale**. Information regarding the specific college or university associated with the course along with the enrollment process will be shared with the students during the first few days of school each fall.

<i>Shoreham-Wading River High School Course:</i>
AP English Language and Composition
AP English Literature and Composition
Journalism in the Digital Age
Speaking for Impact
AP Capstone Seminar
AP Capstone Research
AP Precalculus
AP Statistics
AP Biology
AP Environmental Science
Oceanography
AP US Government and Politics
AP US History
French III
French IV
French V
Spanish IV
Spanish V
AP Spanish
American Sign Language 3
American Sign Language 4
Virtual Enterprise
College Sports Marketing
College Accounting I
College Accounting II
Music Theory
AP Music Theory

A photograph of a stage with heavy red curtains. Two bright spotlights illuminate the scene from above, creating a strong blue glow and lens flare effects. The stage floor is visible at the bottom.

Arts & Humanities

People working in this field engage in literary, cultural, artistic, athletic, and entertainment activities. They interpret and communicate concepts through writing, painting, drawing, speaking, dancing, musical expression and a wide variety of other communication techniques.

ARTS & HUMANITIES

English Language Arts

Pathway Courses

AP Capstone Research
AP Capstone Seminar
AP English Language & Comp.
AP English Literature & Comp.
Contemporary Issues in Literature
English 9
English 10
English 11
Journalism in the Digital Age 1
Mythology
Reflections in Literature

Related Electives

Creative Writing I
Creative Writing II
Journalism in the Digital Age (2)
Journalism in the Digital Age (3)
Speaking with Impact (Public Spkg)
Theatre/Advanced Theatre
Peer Mentoring Theatre

Career Related Activities

Cymbals, Art & Literary Magazine
Journalism Club
Media Production Club
Poetry Outloud
Seal of Billiteracy
Yearbook Club

College Majors

Communications
Education
English
Journalism
Law
Liberal Arts
Psychology
Sociology

Careers

Curator
Court Reporter
Copywriters (Writers and Authors)
Desktop Publishers
Editor
Grant Writer
Journalist
Lawyer
Psychologist
Science Writer
Sociologist
Social Worker
Teacher
Technical Writers
Writer/Author

ARTS & HUMANITIES

Performing Arts

Pathway Courses

Band
Orchestra
Concert Choir
Theatre I
Advanced Theatre

Related Electives

Music Theory
AP Music Theory
Music Lab I & II
Peer Mentoring Music
Peer Mentoring Theatre

Career Related Activities

ACT NOW
Chamber Orchestra
Coffee House
Drama Club
Fall/Spring Productions
Jazz Ensemble
Media Production Club
Modern Band
(NYSSMA)
Pit Crew
Poetry Outloud
SWR Dance Team
Tech Crew
Vocal Express

College Majors

Arts Administrator
Conducting
Drama/Acting
Instrumental Performance
Music
Music Business
Music Composition
Music Education
Music Therapy
Music Theory
Studio Production
Theatre

Careers

Actor
Arts Administrator
Composer
Conductor
Director
Manager: Digital, Video and Stage
Music Business
Music Instructor
Music Therapy
Musician
Performer
Performing Arts Educator
Producer
Public Relations
Sound Designer
Sound Engineer

ARTS & HUMANITIES

Visual Arts

Pathway Courses

Ceramics I
Creative Crafts
Introduction to Photography
Studio Art

Related Electives

Advanced Crafts
Advanced Photo
AP Studio Art
Ceramics II
Drawing & Painting I & II
Fashion Design I & II
Portfolio Prep
Computer Graphics I & II

Career Related Activities

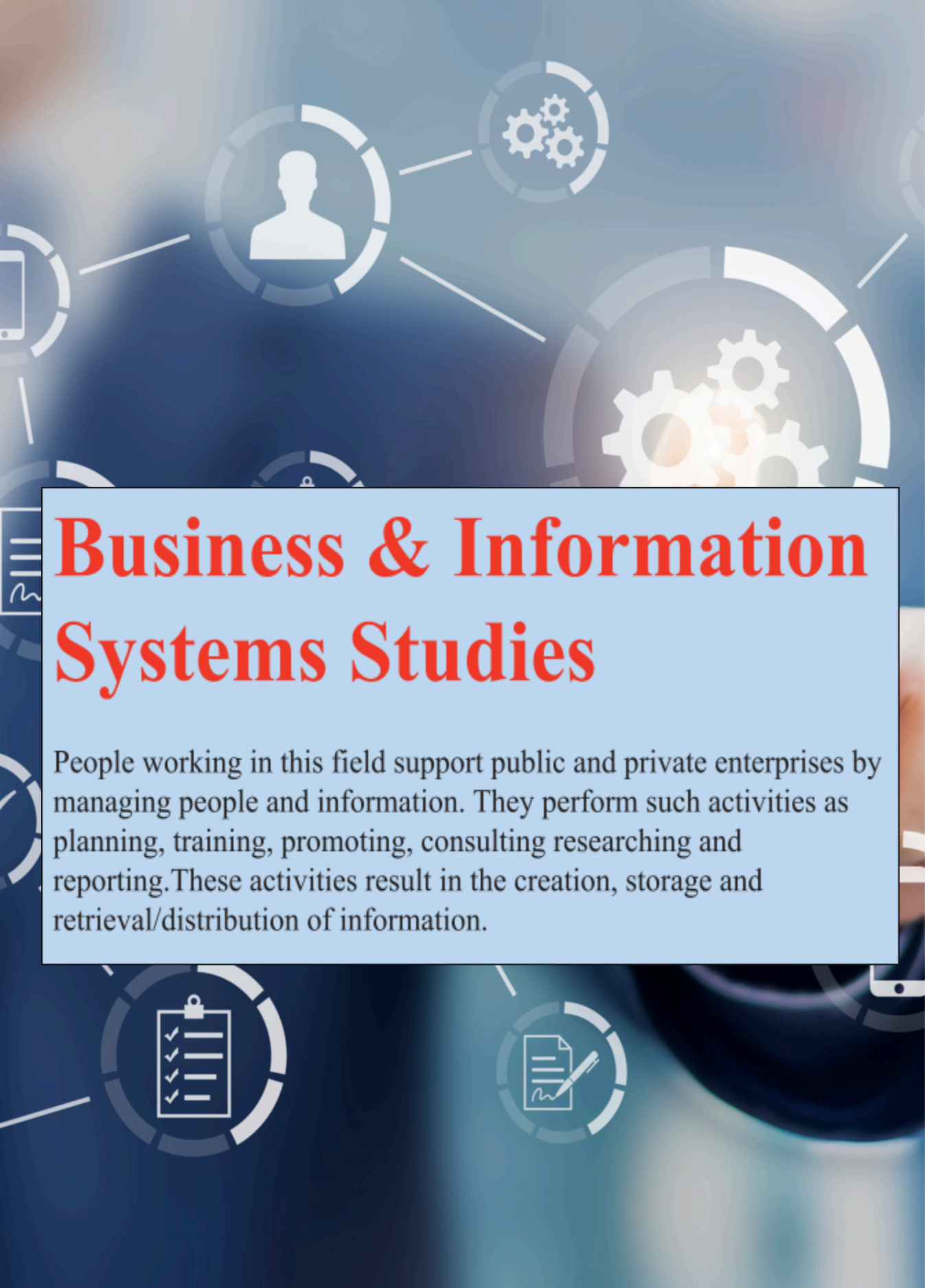
Art Club
Tech Crew
Cymbals Art & Lit Magazine
Media Production Club
Yearbook

College Majors

Art Education
Fine Arts
Graphic Design
Web Design
Photography
Animation
Video Arts
Game Design
Toy Design

Careers

Educator
Art Director
Artist: Fine Artists, Illustrator, Packaging Designer
Photographer: Digital, Still, Video, Film
Computer Animator
Curator and Gallery Manager
Desktop Publishing Specialists
Graphic Equipment Operator
Web Page Designer
Interior Designer
Special Effects Artist



Business & Information Systems Studies

People working in this field support public and private enterprises by managing people and information. They perform such activities as planning, training, promoting, consulting researching and reporting. These activities result in the creation, storage and retrieval/distribution of information.

BUSINESS & INFORMATION SYSTEMS

Pathway Courses:

Career and Financial Management
College Accounting I
College Business Law
College Sports Marketing
Digital Literacy
Fashion Marketing
Financial Literacy
Virtual Enterprise
Wall Street

Related Electives:

Algebra I & II
AP Macroeconomics
College Accounting II
Geometry
Precalculus
Statistics/AP Statistics
Topics in Advanced Math
Virtual Enterprise II

Career Related Activities

Brainstormers
DECA Club
Global Awareness Club
Matheletes
Student Government
World Language Club

College Majors

Accounting
Finance
Business Administration & Management
Business Analytics
Actuarial Science
Human Resources
Marketing
Public
Relations/Communications/Advertising
Economics
Sports Marketing Management
Business Law
Entrepreneurship
Quantitative Finance

Careers

Accountant
Actuary
Advertising Manager
Auditor
Banking
Bookkeeper
Business Management
Computer and Information systems managers
Credit Management
Cyber Security/ Digital Forensics
Database Administrator
Economist
Financial Analyst
Human Resource Specialist
Information Security Analyst
Insurance
Market Research Analyst
Medical & Health Service Manager
Public Relations Specialist
Sales Manager
Software Developer
Statistician
Training & Development Managers
Treasurer/Controller
Web Developer

Engineering & Technology

People working in this field use technical knowledge and skill to assemble, inspect, design, maintain and repair. They provide scientific and diagnostic skills to maintain and repair computer equipment, aircraft, automobiles, buildings, roads, bridges, and manufacturing machinery.

ENGINEERING & TECHNOLOGY (STEM)

Pathway Courses:

Intro to Programming in JAVA
Architecture
Design & Drawing for Production
Digital Literacy
Intro to Cyber Security
Biology/AP Biology
Calculus/AP Calculus
Chemistry/AP Chemistry
AP Environmental Science
Pre-Calculus/AP Pre-Calc
Physics/AP Physics
Statistics/AP Statistics
World of Tech

Related Electives:

Topics in Advanced Math
Statistics
World of Technology
Architecture
Design & Drawing for Production
AP Programming in JAVA

Career Related Activities

Brainstormers
FFA
Global Awareness Club
Mathletes
Robotics Club
Spark Program
WISE (Women in Sci. & Eng)

College Majors:

Aerospace Engineer
Agricultural Engineer
Biomedical Engineer
Chemical Engineer
Civil Engineer
Computer Engineering
Computer Science
Data Analytics
Electrical Engineer
Engineering Technician
Industrial Engineer
Information Technology
Mechanical Engineer
Nuclear Engineer
Physicist
Research Technician

Careers:

Aerospace Engineer
Agricultural Engineer
Biomedical Engineer
Chemical Engineer
Civil Engineer
Computer Systems Analyst/Engineer
Data Scientist
Database Architect
Electrical Engineer
Engineering Technician
Industrial Engineer
Information Security Analyst
Logistics Analyst
Manufacturing Engineer
Mechanical Engineer
Nuclear Engineer
Physicist
Research Technician
Software Developer
Video Game Designer

The background is a dark blue gradient with a network of white dots and lines. Several white hexagonal icons are scattered across the image: a large cross, a person in a suit, a first aid kit, a molecular structure, a pill, a flask, a target, and a stethoscope. The word 'MEDICAL' is written in a hexagon in the upper right.

Health Services

People working in this field provide healthcare and support services to address physical, mental and emotional needs of their clients. They apply scientific, technical, social and interpersonal skills to diagnose and treat illnesses, document care, provide a therapeutic environment and maintain the health of their clients.

HEALTH SERVICES

Pathway Courses

Earth Science
Living Environment
Chemistry
Physics
Algebra I & II
Geometry
Pre-Calculus
Science Research

Related Electives

Human Physiology
Forensics
Long Island Sustainability
Oceanography
Calculus/AP Calc
Statistics/AP Statistics
AP Psychology
AP Pre-Calculus
AP Biology
AP Chemistry
AP Physics

Career Related Activities

ACT NOW
Best Buddies
Global Awareness Club
GSA
Nautilus
SADD
Seal of Biliteracy
Seal of Civic Readiness
Yoga/Mindfulness Club

College Majors

Biology
Chemistry
Health Science
Nursing
Nutrition
Physics
Pre-Med
Psychology
Social Work
Sports Medicine

Careers

Anesthesiologist
Audiologist
Chiropractor
Dentist/Orthodontist
Doctor
Hospital Administrator
Nurse
Nurse Practitioner
Nutritionist
Occupational Therapist
Optometrist
Physical Therapist
Physical Trainer
Physician's Assistant
Psychiatrist
Surgeon

The background of the slide features a close-up photograph of several young green plants with small, rounded leaves. These seedlings are growing out of clear glass test tubes that are partially filled with water. The test tubes are arranged in a row, and the background is softly blurred, showing more of the same setup. The overall color palette is dominated by various shades of green and light blue/white from the background.

Natural & Agricultural Sciences

People working in this field apply technical and scientific knowledge to the study of the earth and its elements and frontiers. They care for and protect environments, harvest natural resources, such as plants and raise animals.

NATURAL & AGRICULTURAL SCIENCES

Pathway Courses

Earth Science
Living Environment
Chemistry
Physics
Long Island Sustainability
Science Research
Algebra I & II
Geometry
Pre-Calculus

Related Electives

Human Physiology
Forensics
Long Island Sustainability II
Oceanography
Calculus/AP Calculus
Statistics/AP Statistics
AP Pre-Calculus
AP Environmental Science

Career Related Activities

Future Farmers of America
SPARK
WISE
Brainstormers
Matheletes
Global Awareness Club

College Majors

Biology
Bioengineering
Biomedical Engineering
Biochemistry
Biotechnology
Chemistry
Conservation Biology
Environmental Science
Environmental Studies
Environmental Health Engineering
Environmental Biology
Forestry
Forest Management
Forest Ecosystem Science
Landscape Architecture
Sustainability Studies

Careers

Animal Scientist
Farmer
Wind Energy Operator
Petroleum Engineer
Microbiologist
Physicist
Food Science Technician
Biologist
Science Educator
Veterinarian
Zoologist
Forester
Forester and Conservation Technician



Human & Public Services

People working in this field provide protective, social, education and community services. They provide assistance to individuals or families in periods of need throughout their lives.

HUMAN & PUBLIC SERVICES

Education

Pathway Courses

English 9
English 10
English 11/AP Language
Teacher Corps
AP Literature & Comp.

Related Electives

AP Psychology
AP Capstone Seminar
AP Capstone Research
AP Human Geography
Speaking with Impact
Community Relations
Creative Writing I
Creative Writing II
Statistics
World Languages

Career Related Activities

Best Buddies
Brainstormers
Global Awareness Club
GSA Club
Journalism Club
Media Production Club
National History Day
Student Government
SADD
Seal of Biliteracy
Seal of Civic Readiness
World Language Club
Yearbook

College Majors

Early Childhood Education
English
Secondary Education
ESL/TESOL Education
Philosophy
Psychology
Sociology
Special Education
Library Science

Careers

Preschool Teacher
Elementary and Secondary Teacher
Childcare Center Director
Gerontology
Human Services
Intervention Specialist
Library Media Specialist
Psychologist
Public Health
Social Worker
Guidance Counselor
Speech Therapist
Reading Specialist

HUMAN & PUBLIC SERVICES

Law Enforcement/Military/Social Work/Psychology

Pathway Courses

Criminal Justice
Global 1
Global 2
US History
AP Psychology
Participation In Gov't
Economics
Intro to Cyber Security

Related Electives

BOCES – Law Enforcement
AP World
AP Government
AP Human Geography
AP Macroeconomics
AP US History
Speaking with Impact
Statistics

Career Related Activities:

Best Buddies
Global Awareness Club
Mindfulness/Yoga Club
Mock Trial
Nautilus
Robotics Club
Student Government
SADD
Seal of Civic Readiness
World Language Club

College Majors

Criminology
Criminal Justice
Cyber Security
Forensic Science
Psychology
Political Science
Pre-law
Sociology

Careers

Forensic Scientist
Forensic Psychologist
Lawyer
Military Officer
Psychologist
Police Officer
Social Worker
Teacher
Public Service

SWR HIGH SCHOOL

EXTRA-CURRICULAR ACTIVITIES

ACT NOW Theatre Group
Art Club
Best Buddies
Brainstormers
Chamber Orchestra
Class of 2028 – Freshmen Class
Class of 2027 – Sophomore Class
Class of 2026 – Junior Class
Class of 2025 – Senior Class
Coffee House
Cymbals Art and Literature Magazine
SWR Dance Team
DECA (Business Club)
Drama Club
Fall Production
FFA (Future Farmers of America)
Global Awareness Club
GSA (Gender & Sexuality Alliances)
Jazz Ensemble
Journalism Club: The Wildcat Pause School Newspaper
Mathletes
Media Production Club
Mock Trial
Modern Band
National English Honor Society
National History Day
National Honor Society
Natural Helpers
Nautilus (Fitness Center Club)
Robotics
SADD (Students Against Destructive Decisions)
Spark Program (Brookhaven National Labs)
Spring Production
Student Government
Tri-M Music Honor Society
Vocal Express
WISE (Women in Science and Engineering)
World Languages Club
Yearbook
Yoga/Mindfulness Club