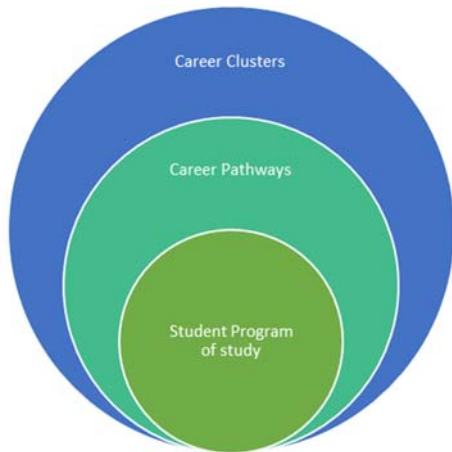


Pathways to Success



Example:

Career Cluster—Health & Human Services

Career Pathway—Education

Student Program of Study—4 year plan developed to support exploration within the Education pathway: Child Development I/II, Sociology, Psychology, CTC programming, etc.

What are Pathways to Success?

Career Clusters are broad occupational groupings based on a set of common knowledge and skills required for a broad group of careers. Career clusters provide opportunities for all students regardless of their career goals and interests. Career Clusters are a tool for a seamless educational system that blends rigorous academic/technical preparation, provides career development, offers options for students to experience all aspects of a business or industry, and facilitates/assists students and educators with ongoing transitions. ORHS, in conjunction with our area Career Technical Centers, have a wide variety of courses to support five Career Cluster areas. These include: Arts, Communications & Humanities, Business, Management & Computer Technology, Health and Human Services, Industry & Engineering Technology, and Natural Resources.

Career Pathways are a sub-grouping of careers used as an organizing tool for curriculum design and instruction. Similar to career clusters, career pathways are grouped based on their requirements for a set of core and similar knowledge and skills for career success. Each pathway highlights a specific part of each cluster.

A **Student Program of Study** includes learning that represents fluid, living, breathing, mapped academic planning that reflects a student's unique set of interests, needs, learning goals, and graduation requirements. It goes beyond the "four-year plan" by encouraging participation in job shadowing, mentorships, internships, and/or apprenticeships; and the pursuit of skill development through hobbies, athletics, and fine arts.

How Can I Use the Pathways for Course Selection?

The Career Clusters outlined in the Program of Studies provide a very general outline of coursework that can provide skills and experience in a given field. Students may use the Career Cluster Model to choose courses in areas of interest. In addition, students will meet with their school counselor to discuss course selection.

Arts, Communication & Humanities

This pathway is designed to meet the needs of students considering careers that utilize skills in the area of Arts, Communication and Humanities. Listed below are potential career opportunities, aligned with the level of training required. In addition, possible college majors/career fields are listed, followed by ORHS courses that can provide additional skills and exposure. Please note that this is a suggested list and is not exhaustive—students should meet with their school counselor to create a detailed Four Year plan.

Possible Career Opportunities

Fine Arts
 Art
 Intro to Adobe
 World History
 Topics in World Cultures or Current History
 British Literature
 American Literature
 Basic Wood
 Advanced Wood

Entry Level
 Picture Framer
 Movie/TV Extra
 Sound Technician
 Darkroom Assistant
 Sign Painter
 Dancer
 Seamstress
 Lighting Technician
 Talent Agency Intern

Language & Culture
 English—Literature Emphasis
 World Language
 Art History
 Film Studies
 Psychology
 Sociology
 Russian Studies

Literature
 English—Literature Emphasis
 Intro to Philosophy
 Art History
 World Language

Technical Level
 Instrument Repair
 Weaver/Potter
 Library Media Specialist
 Singer Choreographer
 Studio Artist
 Sculptor
 Instrumentalist
 Graphic Designer
 Jewelry Designer
 Historical Interpreter

Commercial Art
 Research and Analysis of Media Texts
 Merchandising & Marketing
 Digital Video Production
 ORTV News
 Intro to Adobe
 3D Design
 Drawing & Painting I & II
 Basic Wood
 Advanced Wood

Media & Communication
 English—Communications Emphasis
 English—Writing Emphasis
 Acting 1 & 2
 Digital Video Production
 Film Studies
 Music Theory
 Piano
 Band
 Psychology
 Sociology
 Art
 Merchandising & Marketing

Professional Level
 Architect
 Art Restorer
 Fashion Designer
 Interpreter/Translator
 Editor/Publisher
 Cinematographer
 Conductor
 Teacher/Educator
 Journalist/Photographer
 Public Relations
 Historian/Philosopher

Music & Drama
 Debate
 Shakespeare
 Poetry & Fiction
 Music
 Drama
 Acting 1 & 2
 Art of Communication
 Digital Video Production
 ORTV News

Potential Career Technical Programs (see page 54):

| | | |
|----------------------|-----------------------------|---------------------------|
| Broadcast Technology | Digital Media Communication | Film/Video & Graphic Arts |
| Graphic Design | Computer Technology | |

Business, Management & Computer Technology

This pathway is designed to meet the needs of students considering careers that utilize skills in the area of Business, Management, and Computer Technology. Listed below are potential career opportunities, aligned with the level of training required. In addition, possible college majors/career fields are listed, followed by ORHS courses that can provide additional skills and exposure. Please note that this is a suggested list and is not exhaustive—students should meet with their school counselor to create a detailed Four Year plan.

Possible Career

Sales & Marketing

Research & Analysis of Media Texts
 Debate & Persuasion
 Expository Writing
 Journalism
 Philosophy
 World Language
 Merchandising & Marketing
 Entrepreneurship
 Economics
 Art
 AP Statistics
 Intro to Adobe

Opportunities

Entry Level

Receptionist
 Word Processor
 Bank Teller
 Payroll Clerk
 Customer Service
 Representative
 Salesperson
 Telemarketer

Sports/Recreation Management

Debate & Persuasion
 Earth, Ocean & Space
 Environmental Science
 Sports & 20th Century Society
 Basic Photography
 Physical Education
 Psychology/Sociology
 Accounting
 Economics
 Journalism
 Physical Education

Hotel/Restaurant Management

Expository Writing
 World Language
 Culinary Arts
 Computers
 Basic Photography
 Construction Technology
 Art of Communication
 Personal Finance
 Accounting
 Economics

Technical Level

Court Reporter
 Claims Agent
 Real Estate Agent
 Computer Technician
 Medical Secretary
 Audit Clerk
 Retail Manger
 Travel Director
 Sales Representative

Accounting/Finance

Entrepreneurship
 Merchandising & Marketing
 Accounting
 Personal Finance
 Algebra 1 & 2
 AP Statistics
 Economics

Professional Level

Estate Planner
 Loan Officer
 Sports/Recreation Manager
 Bank Examiner
 Accountant/CPA
 Advertising/Marketing Director
 System Analyst
 Investment Banker
 Entrepreneur

Computer Technology

Physics
 Computers
 Music Theory
 Intro/Advanced Programming
 Algebra 1 & 2
 Computer Integrated Mathematics
 Science Fiction

Potential Career Technical Programs (see page 54):

Business Management

Business & Commerce

Computer Technology

Culinary Arts

Marketing

Restaurant Management

Health & Human Services

This pathway is designed to meet the needs of students considering careers that utilize skills in the area of Health & Human Services. Listed below are potential career opportunities, aligned with the level of training required. In addition, possible college majors/career fields are listed, followed by ORHS courses that can provide additional skills and exposure. Please note that this is a suggested list and is not exhaustive—students should meet with their school counselor to create a detailed Four Year plan.

| | | |
|---|--|---|
| <p style="text-align: center;"><u>Education</u></p> <p>English Earth, Ocean & Space Environmental Science Music Theory Social Studies World Language Computer Art Physical Education Child Development I & II</p> | <p style="text-align: center;">Possible Career Opportunities</p> <p style="text-align: center;"><u>Entry Level</u></p> <p>Geriatric Aide Dietary Aide Certified Nurses Aide Health Information Technician Day Care Employee Police Officer Cook/Wait staff</p> | <p style="text-align: center;"><u>Law/Government</u></p> <p>Debate & Persuasion Expository Writing American Literature British Literature Earth, Ocean & Space Forensics Environmental Science Intro to Philosophy Psychology Sociology World Language</p> |
| <p style="text-align: center;"><u>Culinary Arts</u></p> <p>Intro to Culinary Arts Bake Shop Gourmet Cooking Internship Basic Photography 3D Design</p> | <p style="text-align: center;"><u>Technical Level</u></p> <p>Licensed Practical Nurse Dental Hygienist Surgical Technician Pharmacy Technician Paramedic Cosmetologist Esthetician Chef Paralegal</p> | <p style="text-align: center;"><u>Doctor/Dentist</u></p> <p>AP Biology AP Chemistry Physics Calculus Computers World Language Psychology Sociology Anatomy & Physiology</p> |
| <p style="text-align: center;"><u>Psychology/Sociology</u></p> <p>Women’s Literature Research & Analysis of Media Texts Issues in Literature World Literature AP Biology Forensics Anatomy & Physiology Sociology Psychology World Language AP Statistics Child Development I & II</p> | <p style="text-align: center;"><u>Professional Level</u></p> <p>Register Nurse Doctor Social Worker Teacher/Educator Lawyer/Judge Military Officer Government Employee Psychologist Athletic Trainer</p> | <p style="text-align: center;"><u>Nursing & Related Fields</u></p> <p>Anatomy & Physiology Chemistry Algebra 1 & 2 World Language Sociology Psychology</p> |

Potential Career Technical Programs (see page 54):

| | | |
|--------------------------|----------------|--|
| Biotechnology | Cosmetology | Government & Public Admin (NJROTC) |
| Foundations of Education | Health Science | Health Science Technology Teacher Education |

Industrial & Engineering Technology

This pathway is designed to meet the needs of students considering careers that utilize skills in the area of Industrial and Engineering Technology. Listed below are potential career opportunities, aligned with the level of training required. In addition, possible college majors/career fields are listed, followed by ORHS courses that can provide additional skills and exposure. Please note that this is a suggested list and is not exhaustive—students should meet with their school counselor to create a detailed Four Year plan.

Engineering

Algebra I & II
 Geometry
 Trigonometry
 Calculus
 Chemistry
 Physics
 Computers
 Electrical Technology
 Computer Integrated Mathematics
 Construction Technology
 Earth, Ocean & Space

Possible Career Opportunities

Entry Level

Carpenter
 Equipment Assembly
 Telephone/Cable Repair
 Cabinet Maker
 Welder
 Truck Driver
 Painter
 Roofer

Computer Science

Intro to Programming
 Advanced Programming
 Advanced Information Technology Services
 Digital Video Production
 Algebra I & II
 Geometry
 Trigonometry
 Precalculus/Calculus
 Physics

Civil Technology

Physics
 Environmental Science
 Algebra I & II
 World Language
 Computers
 Basic/Advanced Wood
 Construction Technology
 Geometry
 Trigonometry

Technical Level

Electrician
 HVAC Mechanic
 Plumber/Pipefitter
 Surveying/Mapping Tech
 Drafter
 Engineering Tech
 Water Treatment Plant
 Public Works
 Automotive Mechanic

Machinist

Algebra I & II
 Geometry
 Electrical Technology
 Construction Technology
 Trigonometry
 Accounting

Automotive Technology

Algebra I & II
 Geometry
 Electrical Technology
 Accounting
 Entrepreneurship

Professional Level

Machinery Design
 Engineer
 Production Manger
 Aircraft Pilot Programmer
 Numerical Controller
 Purchasing Agent
 Architect
 Construction Manger

Graphic Arts

Intro to Adobe
 Computers
 Art
 Digital Video Production
 Journalism
 Merchandising & Marketing
 Entrepreneurship
 Algebra I & II
 Geometry
 Computer Integrated Mathematics

| <u>Potential Career Technical Programs (see page 54):</u> | | | |
|--|-----------------------|------------------------|---------------------------------|
| Automotive Collision | Automotive Technology | Building Constructions | Building Trades |
| Computer Technology | Electrical Technology | Engineering | HVAC & Refrigeration Technology |
| Industrial/Agricultural Mechanics | Precision Machining | Plumbing Technology | |

Natural Resources

This pathway is designed to meet the needs of students considering careers that utilize skills in the area of Natural Resources. Listed below are potential career opportunities, aligned with the level of training required. In addition, possible college majors/career fields are listed, followed by ORHS courses that can provide additional skills and exposure. Please note that this is a suggested list and is not exhaustive—students should meet with their school counselor to create a detailed Four Year plan.

Possible Career Opportunities

Forestry

Earth, Ocean & Space
Biology
Environmental Science
Intro to Adobe
Basic/Advanced Wood
Algebra I & II
Geometry

Entry Level

Animal Caretaker/Groomer
Forestry Tech
Commercial Fisherman
Landscape/Nursery Employee
Logger
Floral Assistant
Farm Hand
Landfill/Recycling Employee

Horticulture/Landscaping

Earth, Ocean & Space
Biology
Environmental Science
Intro to Adobe
Art
Basic/Advanced Wood

Environmental Science

Science
Research & Analysis of Media Texts
Literature & the Land
Trigonometry
Topics in World Cultures
Psychology
Sociology

Technical Level

Animal Health Technician
Firefighter
Fish Hatchery Manager
Florist
Landscape Architect
Arborist

Veterinary Science

Anatomy & Physiology
Chemistry
AP Biology
Physics
Computers
Precalculus/Calculus

Marine Biology

Marine Biology
Earth, Ocean & Space
Biology
Environmental Science
Calculus

Professional Level

Landscape Architect
Water Resources Manager
Animal Science Research
Marine Biologist
Forester
Geologist
Ornithologist
Microbiologist

Potential Career Technical Programs (see page 54):

| | | | |
|-------------------------|---------------------------|--------------|---|
| Animal & Equine Science | Biotechnology | Fire Science | Government & Public Administration (NJROTC) |
| Health Science | Health Science Technology | | Industrial & Agricultural Mechanics |