

## PATHWAYS2POSSIBILITIES engage | educate | empower



MISSISSIPPI COAST CONVENTION CENTER BILOXI, MISSISSIPPI NOVEMBER 16 - 17



Dear Parents,

Welcome to the 4th Annual Pathways2Possibilities: P2P Career Expo. Almost 6,500 8th grade students from public and private schools across the state's six lower counties, plus Perry and Greene Counties, will attend this inspirational event. The P2P experience is a great opportunity for your student to take the first steps in planning for his or her future.

Please take the time to explore the 19 Pathways included in this booklet with your 8th grader. Each page lists possible jobs and careers within each professional field, an expected salary range, and the educational and training paths to follow. We are confident that this will be a rewarding and motivating experience for all our students and educators, as well as you, the parents.

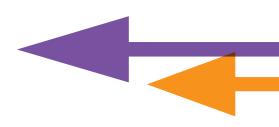
AEROSPACE	AGRICULTURE, FOOD & NATURAL RESOURCES	ARCHITECTURE & CONSTRUCTION	ARTS, AV TECHNOLOGY & COMMUNICATIONS	BUSINESS MANAGEMENT & ADMINISTRATION
EDUCATION & TRAINING	ENERGY	ENGINEERING & POLYMER SCIENCE	FINANCE	GOVERNMENT & PUBLIC ADMINISTRATION
HEALTH SCIENCE	HOSPITALITY & TOURISM	HUMAN SERVICES	INFORMATION TECHNOLOGY	LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY
MANUFACTURING	MARINE SCIENCE	MARKETING	TRANSPORTATION, DISTRIBUTION & LOGISTICS	<del></del>

Also, spend a few moments noting the many company participants and sponsors that helped make P2P a reality for your child. Be sure to thank any of them you may know or encounter. We really appreciate their involvement!

The next four years are critical for you and your 8th grader. We wish you all the best as you guide them to a productive and enjoyable future as employees. You can visit us at www.pathways2possibilities.org.

Yours in education,

2016 Pathways2Possibilities: P2P Team



The MISSISSIPPI DEPARTMENT OF HUMAN SERVICES,
MISSISSIPPI STATE LEGISLATURE 2016 and the KNIGHT FOUNDATION,
in partnership with GULF COAST COMMUNITY FOUNDATION,

proudly present:





















### **FOUNDING**



### **PRESENTING**







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MISSISSIPPI DEPARTMENT of Employment Security











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## PROPRIATION PROPRI

## INTERESTS & ABILITIES

DETAIL-ORIENTED
LIKES SCIENCE, MATH
& TECHNICAL CONCEPTS
PROBLEM SOLVING
LIKES TEAMWORK
STRONG MATH & SCIENCE SKILLS
FOLLOWING DIRECTIONS





In Aerospace careers, workers apply mathematical and scientific principles to the design, development and operational evaluation of aircraft, space vehicles and their systems; applied research on flight characteristics; and the development of systems and procedures for the launching, guidance and control of air and space vehicles.

CAREER OPTIONS				
	Non-Destructive Testing	Inspector		
	Technical Customer Service	Assembler		
HIGH SCHOOL DIPLOMA & TRAINING	Avionics Mechanic	Material Handler		
	Sheet Metal/Fabricator	A&P Mechanic		
	Production Machine Operator			
	Aerospace Engineer	Manufacturing Engineer		
4-YEAR+ DEGREE	Structure Engineer	Quality Engineer		
	Business Unit Leader			

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Quality Engineer	Engineering Degree	\$47,000 - \$76,000
Aerospace Engineer	Engineering Degree	\$65,000 - \$150,000
Structure Engineer	Engineering Degree	\$65,000 - \$150,000
Operations Technician	Associate's Degree	\$40,000 - \$87,000
Customer Service	Post-Secondary Education	\$41,000 - \$68,000
Non-Destructive Testing	On-the-Job/ Technical Training	\$47,000 - \$76,000



LIKES NATURE, SCIENCE & THE OUTDOORS
ORGANIZED
PUNCTUAL
DESIRE TO PROTECT
& MANAGE THE WORLD'S

**RESOURCES** 



The Agriculture, Food and Natural Resources Career Pathway focuses on supporting life by ensuring that we are responsibly managing our food production and natural resources. These areas supply us and many other countries with a wide variety of food products and non-food products, such as fibers, natural resources and nursery items. These fields contribute positively to our foreign trade balance, and they remain some of the nation's larger industries in terms of total employment. This pathway focuses on preparing students for careers in the planning, implementing, producing, managing, processing and marketing of agricultural goods and services.

<b>CAREER OPTIONS</b>		
	Grounds Keeper Animal Caretaker	Harvester
HIGH SCHOOL DIPLOMA & TRAINING	Fish & Wildlife Technician	Nursery Worker Veterinary Assistant
	Miller	
2+ YEARS	Animal Breeder	Veterinary Technician
POST-SECONDARY	Lab Technician	Hatchery Manager
EDUCATION	Air & Quality Technician	
	Fish & Game Warden	Oceanographer
	Environmental Engineer	Veterinarian
4-YEAR+ DEGREE	Agriculture Manager	Food Scientist
	Botanist	Astronomer
	Forester	

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Landscape Artist	Graduate Degree	\$37,000 - \$58,000
Agricultural Inspector	Bachelor's Degree	\$25,000 - \$63,000
Landscaper	High School Diploma	\$18,000 - \$43,000
Logging Equipment Operator	High School Diploma	\$21,000 - \$47,000



GOOD WITH HANDS & TOOLS
STRONG MATH & SCIENCE SKILLS
GOOD TIME MANAGEMENT SKILLS
TEAM PLAYER

Houses, apartments, factories, roads and bridges are some products of Architecture and Construction. This industry's activities include designing and building structures, including site preparation, as well as adding and modifying existing ones. The industry includes landscaping, maintenance, repair and improvements of structures. To offset rising energy costs, some companies opt for new buildings or energy efficient renovations. "Green construction" is increasingly popular and involves making buildings as environmentally friendly as possible by using recyclable and earth-friendly products. Construction offers career opportunities for people with different talents and educational backgrounds. Career opportunities include managers, clerical workers, accountants, engineers, truck drivers, trades workers and construction helpers. This pathway prepares students for careers in designing, planning, managing, building and maintaining built environments. People employed in architecture and construction work on new structures, restorations, additions, alterations and repairs.

<b>CAREER OPTIONS</b>		
	Carpenter's Assistant	Cable Installer
HIGH SCHOOL DIPLOMA	Drafting Aide	Elevator Repair & Installer
& TRAINING	Cost Estimator	HVAC Mechanic
	Welder	
	Electronic Technician	Drafting Technician
2+ YEARS	Electrician	Plumber
POST-SECONDARY EDUCATION	Carpenter	Construction Supervisor
EDOCATION	Mason	Construction Surveyor
	Electrical Engineer	Civil Engineer
4-YEAR+ DEGREE	Construction Manager	Landscape Architect
	Architect	

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Interior Designer	Bachelor's Degree	\$20,000 - \$60,000
Construction Administrator	Bachelor's Degree	\$40,000 - \$70,000
Project Supervisor	Bachelor's Degree	\$37,000 - \$95,000
Drafter/Designer	Associate's or Bachelor's Degree	\$15,000 - \$45,000
Boilermaker	On-the-Job Training/Post-Secondary Education	\$45,000 - \$56,000
Brickmason	On-the-Job Training/Post-Secondary Education	\$37,000 - \$52,000
Carpenter	High School Diploma	\$24,000 - \$73,000

Student Organization: SkillsUSA • www.skillsusa.org



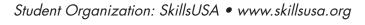
TIME MANAGEMENT SKILLS
STRONG ORAL & WRITTEN
COMMUNICATIONS
LIKES PEOPLE
ENJOYS POLITICAL SCIENCE &
CURRENT AFFAIRS
SELF-CONFIDENT
PROFICIENT IN ENGLISH



Information, communication, technology and rapid change are leading forces in the 21<sup>st</sup> century. These fields combine artistic expression and individual style with in-depth understanding of today's state-of-the-art technologies. Strong communication and presentation skills make these career choices rewarding and profitable. Flexibility and innovation are commodities of the times. In today's creative economy, the arts provide training and service for a workforce driven by innovation and communication. This career pathway focuses on courses of study that develop collaborative skills, creative thinking and an appreciation for diversity. The creative sector includes activities of nonprofit cultural organizations, commercial enterprises and professionals engaged in the applied arts. This career pathway covers arts, communication and design avenues, including the performing arts, fine art, graphic art, design industries, the film and movie industry, broadcast journalism, corporate communications, social media and public relations.

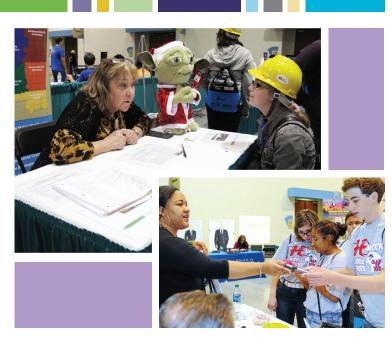
<b>CAREER OPTIONS</b>			
	Composer	Dancer	Sound Engineer
HIGH SCHOOL DIPLOMA	Singer	Illustrator	Production Assistant
& TRAINING	Jeweler	Actor	
	Media Aide	Graphic Assistant	
2+ YEARS	Visual Effects Artist	Videographer	Copywriter
POST-SECONDARY	Hair Stylist	Art Restorer	Radio Announcer
EDUCATION	Web Page Designer		
	Fashion Designer	Music Director	Broadcast News Analyst
AVEAD+ DECDEE	Animator	Multimedia Artist	Curator
4-YEAR+ DEGREE	Graphic Designer	News Reporter	Public Relations
	Creative Director	Editor	Film/Video Editor

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Art Teacher	Bachelor's Degree	\$33,000 - \$55,000
Performing Arts Program Director	Bachelor's Degree	\$24,000 - \$64,000
Graphic Designer	Bachelor's Degree	\$26,000 - \$79,000
Web Page Designer	Associate's Degree	\$33,000 - \$112,000
Street Artist	High School Diploma	\$10,000 - \$56,000









ENJOYS DRESSING PROFESSIONALLY EXCELLENT INTERPERSONAL SKILLS DETAIL-ORIENTED STRONG PUBLIC SPEAKING, ENGLISH & MATH SKILLS

Workers with the skill sets necessary for efficient Business Management and Administration operations fuel U.S. enterprises. Rewarding careers in this area of study can lead to a myriad of different companies and markets. Business Management and Administration professionals plan, direct, maintain and organize business operations for an organization. Business fundamentals serve as the foundation for all business pathways. Courses in business provide instruction in basic business skills and knowledge related to economic fundamentals, management, communications, finance, human relations, career development, ethics and business etiquette. This pathway prepares students for careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

<b>CAREER OPTIONS</b>		
	Data Entry Clerk	Cashier
HIGH SCHOOL DIPLOMA & TRAINING	Entrepreneur	Executive Assistant
& IKAIIIII	Receptionist	Human Resources Clerk
	Bookkeeper	Office Manager
2+ YEARS POST-SECONDARY	Records Manager	Realtor
EDUCATION	Training Specialist	Benefits Specialist
EDUCATION	Administrative Services Manager	
	Chief Executive Officer	Operations Manager
4-YEAR+ DEGREE	Business Manager	Recruiter
	Human Resources Manager	

	OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
	Chief Executive	Master's Degree	\$75,000 - \$171,000
	Human Resources Administrator	Bachelor's Degree	\$33,000 - \$96,000
	Risk Management Manager	Bachelor's Degree	\$49,000 - \$71,000
	Compensation/Benefits Manager	Associate's or Bachelor's Degree	\$41,000 - \$53,000
	Administrative Assistant	On-the-Job Training	\$30,800 - \$81,000
	Cashier	High School Diploma	\$16,000 - \$27,000

Student Organization: Future Business Leaders of America • www.fbla-pbl.org



STRONG ORGANIZATIONAL SKILLS
EXCELLENT PUBLIC
SPEAKING SKILLS
ENJOYS WORKING WITH PEOPLE





A vital part of everyone's life, Education is the future of our economy. The amount and type of education that individuals receive is a major influence on both the jobs they are able to hold and their earnings. Lifelong learning is important in acquiring new knowledge and upgrading one's skills, particularly in this age of rapid technological and economic change. This pathway focuses on preparing students for work in a variety of institutions that offer academic education, career and technical instruction, and other education and training to millions of students each year. This industry also includes institutions that provide training, consulting and other support services to schools and students, such as curriculum development, student exchanges and tutoring. Also included are schools or programs that offer non-academic or self-enrichment classes, including automobile driving and cooking instruction, among others.

<b>CAREER OPTIONS</b>			
HIGH SCHOOL DIPLOMA & TRAINING	Teacher's Aide	Substitute Teacher	Cafeteria Worker
2+ YEARS POST-SECONDARY EDUCATION	Preschool Teachers	Teacher's Assistant	
	Principal	Teacher	Superintendent
4-YEAR+ DEGREE	Coach	Librarian	Chief Learning Officer
4-TEART DEGREE	Provost	Trainer	
	Administrator	Instructional Coordinator	

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Librarian	Master's Degree	\$33,000 - \$86,000
Speech Language Pathologist	Master's Degree	\$44,000 - \$109,000
Principal	Master's Degree	\$59,000 - \$128,000
Teacher	Bachelor's Degree	\$19,000 - \$84,000
Training & Development Specialist	Bachelor's Degree	\$31,000 - \$93,000
Preschool Teacher	Associate's Degree	\$18,000 - \$50,000
Teacher's Assistant	Associate's Degree	\$17,000 - \$36,000

Student Organization: Educators Rising • www.educatorsrising.org Family, Career and Community Leaders of America • www.fcclainc.org







GOOD FOUNDATION IN MATH
& TECHNICAL CONCEPTS

SELF-MOTIVATED

DETAIL-ORIENTED

LIFELONG LEARNING

COMMITMENT

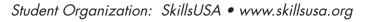
ENJOYS TEAMWORK



Each day of our lives is centered on Energy. Without energy, your morning would be very different—no alarm clock, hot water, hair dryer, stove, air conditioning, television or car. All of these appliances and devices depend on natural gas, electricity or oil. Challenges lie ahead about how we provide energy reliably in a growing world while minimizing negative impacts on the environment.

<b>CAREER OPTIONS</b>		
2+ YEARS	Line Maintenance	Maintenance & Repair Division
POST-SECONDARY EDUCATION	Nuclear Plant Operations	Plant Operations
4-YEAR+ DEGREE	Engineering	

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Engineering	Bachelor's Degree	\$52,000 - \$105,000
Line Maintenance	On-the-Job Training/Two-Year Degree Preferred	\$30,000 - \$75,000
Maintenance & Repair	On-the-Job Training/Two-Year Degree Preferred	\$27,000 - \$70,000
Nuclear Plant Operations	On-the-Job Training/Two-Year Degree Preferred	\$70,000 - \$87,000
Plant Operations	On-the-Job Training/Two-Year Degree Preferred	\$30,800 - \$75,000
Instrument & Electrical Technician	On-the-Job Training/Two-Year Degree Preferred	\$45,000 - \$83,000
Fabrication Mechanic	On-the-Job Training/Two-Year Degree Preferred	\$45,000 - \$83,000
Machinists Mechanic	On-the-Job Training/Two-Year Degree Preferred	\$45,000 - \$83,000





STRONG ATTENTION TO DETAIL STRONG MATH & SCIENCE SKILLS ENJOYS SCIENCE



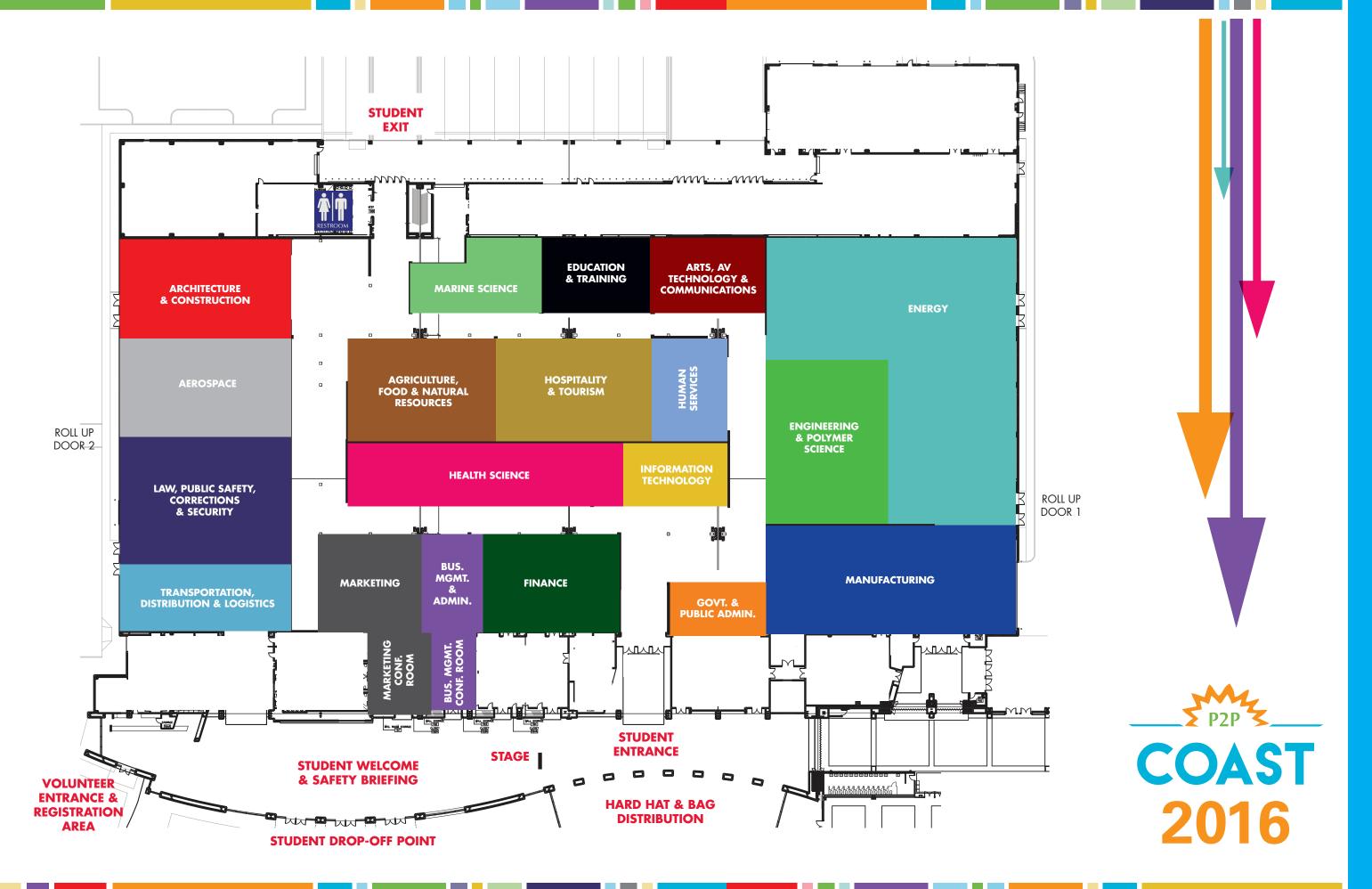


Almost everything you see was designed by engineers or designers before being constructed. High-rise buildings, bridges and spaceships require the expertise of architects, engineers and designers. If you are interested in being part of something like designing a condo on the beach, or designing a ship, airplane or electronic device, consider a career in engineering or design. A successful carreer in this high-tech field requires people who are willing to take risks and question learning in order to discover and uncover new possibilities. Positions are available in a wide variety of workplaces, including hospitals, government agencies, corporate research and development departments, forensic laboratories and scientific classrooms.

<b>CAREER OPTION</b>	IS		
HIGH SCHOOL DIPLOMA & TRAINING	Surveyor	Engineering Technician	Map Technician
2+ YEARS	Mechanic	Electromechanical Technician	Drafter
POST-SECONDARY EDUCATION	Chemical Technician	Engineering Technician	
	Sound Engineer	Aerospace Engineer	Industrial Engineer
4-YEAR+ DEGREE	Chemical Engineer	Environmental Engineer	Materials Engineer
4-1 LAKT DEGREE	Nuclear Engineer	Materials Scientist	Geoscientist
	Chemist		

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Civil Engineer	Bachelor's Degree	\$51,000 - \$126,000
Technical Writer	Bachelor's Degree	\$40,000 - \$105,000
Computer Systems Analyst	Bachelor's Degree	\$50,000 - \$122,000
Industrial Engineer	Bachelor's Degree	\$51,000 - \$118,000
Polymer Scientist	Bachelor's Degree	\$41,000 - \$120,000
Chemical Technician	Associate's Degree	\$26,000 - \$70,000
Drafter	On-the-Job Training/Post-Secondary	\$32,000 - \$77,000
Surveyor	High School Diploma	\$32,000 - \$91,000
Map Technician	High School Diploma	\$24,000 - \$65,000







HIGHLY ORGANIZED STRONG IN MATH, ENGLISH & COMPUTER SKILLS **GOOD ATTENTION TO DETAIL** 





The Finance industry deals with the management, investment, transfer and lending of money. Every company utilizes money, and the finance area is responsible for the handling of those funds. The industry itself is very large, encompassing everything from small local businesses and banks to the multinational corporations and investment banks regularly featured in news headlines. The finance career pathway prepares students for careers in financial and investment planning, banking, insurance and business financial management. There are several fields of study in this pathway, including corporate finance, financial planning, investment banking, insurance and real estate.

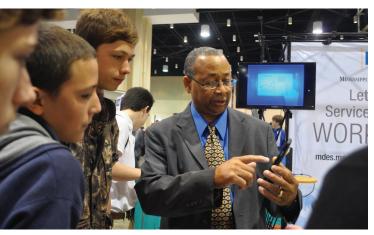
<b>CAREER OPTIONS</b>			
HIGH SCHOOL DIPLOMA & TRAINING	Bookkeeper Insurance Appraiser	Bank Teller Account Collector	Claims Adjuster
2+ YEARS POST-SECONDARY EDUCATION	Tax Preparer Loan Processor	Debt Counselor	Claims Agent
4-YEAR+ DEGREE	Accountant Underwriter Bank Manager	Auditor Economist Investment Manager	Development Officer Financial Analyst Insurance Agent

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Financial Advisor	Bachelor's Degree	\$32,000 - \$187,000
Accountant	Bachelor's Degree	\$39,000 - \$111,000
Bookkeeping Clerk	On-the-Job Training/Post-Secondary Education	\$21,000 - \$54,000
Teller	High School Diploma	\$19,000 - \$34,000
Customer Service Rep	High School Diploma	\$19,000 - \$49,000

Student Organization: Future Business Leaders of America • www.fbla-pbl.org



**GOOD TIME MANAGEMENT DESIRE TO HELP OTHERS** STRONG ENGLISH & PUBLIC **SPEAKING SKILLS ETHICAL ENJOYS LEADING & TEAMWORK ORGANIZED** 







The field of Government and Public Administration provides ample opportunity to help one's fellow citizens. These jobs are vital to ensure governmental services reach the American people. Many of these positions facilitate assistance to citizens and conduct activities that are critical to the function of American society. Employees in government or public administration careers work to keep our society running and functioning in ways that are nearly invisible to most people. For instance, some of these tasks include safeguarding national borders and supporting diplomatic missions, as well as planning urban developments, administering public programs and analyzing tax policies. This pathway includes careers in governance, national security, foreign service, planning, revenue and taxation, regulation and management and administration at the local, state and federal levels.

CAREER OPTIONS			
HIGH SCHOOL	Postmaster	Detective	Postal Clerk
DIPLOMA	Census Clerk	Politician	Mail Superintendent
& TRAINING	Compliance Officer	Real Estate Appraiser	Military Personnel
2+ YEARS POST-SECONDARY EDUCATION	Nuclear Quality Control Inspector	Quality Control Inspector	City Code Officer
4-YEAR+ DEGREE	County Tax Collector	City Planner	State Auditor
	Urban Planner	Financial Examiner	Lobbyist

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
City Planner	Master's Degree	\$41,000 - \$97,000
State Auditor	Bachelor's Degree	\$38,000 - \$74,000
City Code Enforcement Officer	Associate's Degree	\$28,000 - \$60,000

Student Organization: Future Business Leaders of America • www.fbla-pbl.org Family, Career and Community Leaders of America • www.fcclainc.org

STRONG MATH, SCIENCE & COMPUTER SKILLS

DETAIL-ORIENTED

DESIRE TO HELP OTHERS

INTERPERSONAL SKILLS

## INTERESTS & ABILITIES

PEOPLE-PERSON
STRONG COMMUNICATION
SKILLS
ENJOYS DRESSING
PROFESSIONALLY







Healthcare is the fastest growing industry in the U.S. Technological advances have made new procedures and methods of diagnosis and treatment possible. Clinical developments, such as infection control, less invasive surgical techniques, advances in reproductive technology and gene therapy for cancer treatment, increase longevity and improve the quality of life for many people. Advances in information technology improve patient care and worker efficiency. Information on vital signs and orders for tests are transferred electronically, eliminating the need for paper and reducing record keeping errors. Healthcare students prepare for careers promoting health and wellness and diagnosing and treating injuries and diseases. Some careers involve working with people and others involve researching disease or collecting and formatting data and information. Settings include hospitals, medical offices, laboratories, communities, sports arenas or cruise ships.

CAREER OPTIONS			
THE LEGIT OF DIDIONA	Nurse's Aide	Phlebotomist	Dental Assistant
HIGH SCHOOL DIPLOMA & TRAINING	Admitting Clerk	Pharmacy Technician	Home Health Aide
& IKAIIIII	Diagnostic Imaging Assistant	Massage Therapist	Mortuary Assistant
2+ YEARS	Registered Nurse	Physical Therapy Assistant	Sonographer
POST-SECONDARY	Radiological Technologist	Medical Transcriptionist	Dental Hygienist
EDUCATION	Paramedic	Funeral Director	Veterinarian Technician
	Speech Pathologist	Medical Doctor	Nutritionist
4-YEAR+ DEGREE	Radiologist	Pharmacist	Chiropractor
4-TEART DEGREE	Registered Dietician	Biomedical Engineer	Dentist
	Physical Therapist		

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Physician	First Professional Degree	\$120,000+
Dentist	Doctorate/First Professional Degree	\$73,000 - \$187,000
Pharmacist	Doctorate	\$89,000 - \$145,000
Physical Therapist	Doctorate	\$55,000 - \$112,000
Registered Nurse	Associate's Degree	\$45,000 - \$94,000
Respiratory Therapist	Associate's Degree	\$40,000 - \$75,000

Student Organization: Health Occupations Students of America • www.hosa.org

As long as people have free time, they will pursue leisure activities. As leisure time and personal incomes grow across the nation, so will the hospitality industry. Leisure activities include theatrical activities, such as attending a cinema for a movie; going to a community theater for a play; enjoying gaming entertainment offered by casinos; or taking part in sporting activities, such as kayaking, tennis or surfing. Food services, restaurants and cocktail establishments are a widespread and familiar category within this industry. People travel for a variety of reasons, including vacations, business and visits to friends and relatives. Many travelers stay in hotels and seek accommodations while out of town. Resort and casino hotels offer activities to keep travelers and families occupied during their stay. This industry includes physical fitness facilities that feature exercise programs, gyms, health clubs and spas. This pathway introduces students to management, marketing and operation of restaurants, as well as lodging establishments and tourist attractions.

<b>CAREER OPT</b>	IONS		
HIGH SCHOOL	Prep Cook	Concierge	Food Service Manager
DIPLOMA & TRAINING	Translator	Gaming Supervisor	Hunting Guide
2+ YEARS	Sous Chef	Assistant Manager	Ticketing Agent
POST-SECONDARY	Executive Housekeeper	Front Desk/Sales Manager	Lead Banquet Server
EDUCATION	Captain		
AVEAD L DECDEE	Executive Chef	Hotel Director	Meeting & Convention Planner
4-YEAR+ DEGREE	General Manager		

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Hotel Director	Bachelor's Degree	\$50,000 - \$100,000
Front Desk/ Sales Manager	Associate's Degree	\$32,000 - \$60,000
Executive Housekeeper	Associate's Degree	\$35,000 - \$50,000
Sous Chef	Associate's Degree	\$37,000 - \$57,000
Maintenance Technician	Technical Training	\$18,000 - \$35,000
Spa Service Technician	Training	\$20,000 - \$50,000
Cook	High School Diploma/Post-Secondary	\$22,000 - \$26,000

Student Organization: SkillsUSA • www.skillsusa.org Family, Career & Community Leaders of America • www.fcclainc.org







COMPASSIONATE
ENJOYS WORKING WITH PEOPLE
PATIENT
STRONG ENGLISH & PUBLIC
SPEAKING SKILLS



The Human Services field relates to family and human needs. The work environment could vary from public schools to private child-care centers to personal households. At times, people need assistance to live full and productive lives. People need assistance finding a job, locating safe and adequate housing or getting nutritious food for their families. Human services help individuals and families become healthy and productive members of society. Assistance establishments provide services that include helping the homeless, counseling troubled individuals, training the unemployed and helping families obtain aid. Individuals in this industry work to improve the lives of the people they serve and to enrich communities. The services provided vary greatly, depending on the local population and its needs. This pathway prepares students for careers in social service agencies, community and civic organizations, child care and charities.

CAREER OPTIONS			
HIGH SCHOOL DIPLOMA & TRAINING	Fitness Trainer Aerobics Instructor	Nanny Social Services Assistant	Childcare Worker
2+ YEARS POST-SECONDARY EDUCATION	Research Aide	Preschool Teacher	
4-YEAR+ DEGREE	Clergy Member Family Therapist Clinical Psychologist	Psychologist Counselor	Social Worker Community Services Manager

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Clinical Psychologist	Doctorate	\$39,000 - \$112,000
Counselor	Master's Degree	\$31,000 - \$86,000
Clergy	Master's Degree	\$22,000 - \$76,000
Social Worker	Bachelor's Degree	\$27,000 - \$72,000
Preschool Teacher	Associate's Degree	\$18,000 - \$48,000
Fitness Trainer	On-the-Job Training/Post-Secondary Education	\$17,000 - \$66,000
Childcare Worker	High School Diploma	\$16,000 - \$29,000



CAREER OPTIONS
HIGH SCHOOL
DIPLOMA

4-YEAR+ DEGREE

HIGH SCHOOL
DIPLOMA
& TRAINING

2+ YEARS
POST-SECONDARY
EDUCATION

Web Developer

Computer & Information Network Analyst

Cable Installer

Computer Support Specialist

& Information Network Analyst
Software Engineer
Game Designer
Systems Administrator

**PC Technician** 

Network Technician

Network Analyst

Database Design Specialist

or Web Designer

Repair Assistant

Programmer

**OCCUPATION EDUCATION REQUIRED** ANNUAL SALARY RANGE Network Administrator Bachelor's Degree \$44,000 - \$115,000 Software Developer Bachelor's Degree \$55,000 - \$138,000 **Computer Support Specialist** Associate's Degree \$34,000 - \$96,000 Web Developer Associate's Degree \$33,000 - \$105,000 Audio-Visual Installer Post-Secondary Education \$28,000 - \$75,000 Cable Installer High School Diploma \$30,000 - \$83,000

INTERESTS & ABILITIES

STRONG ENGLISH, MATH & COMPUTER SKILLS
ENJOYS TEAMWORK
PROBLEM SOLVER





Information Technology (IT) careers are available in every sector of the economy. IT manages the information and applications that office workers rely on to do their jobs. Careers in IT involve the design, development, support and management of hardware, software, multimedia and systems-integration services. The IT industry is a dynamic and entrepreneurial field continuing to have a revolutionary impact on the U.S. and world economies. IT specialists create products and set up and maintain systems. IT professionals focus on improving the usability and efficiency of technological systems and processes. Students in this pathway gain the basic foundation, skills and knowledge for computer networking, applications and support, along with an introduction to programming. Students develop skills to prepare for certification exams and learn to develop, support and integrate computing systems. They acquire network planning and management skills and the ability to provide technical support.

Student Organization: Technology Student Association • www.tsaweb.org

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## INTERESTS & ABILITIES

ENJOYS TEAMWORK
ETHICAL
GOOD TIME MANAGEMENT
HIGHLY ORGANIZED
STRONG ORAL & WRITTEN
COMMUNICATION
FOLLOWS RULES & DIRECTIONS

## INTERESTS & ABILITIES

ENJOYS TEAMWORK
STRONG MATH
& TECHNICAL SKILLS
TIME MANAGEMENT SKILLS
DETAIL-ORIENTED
LIKES TO FOLLOW
& GIVE INSTRUCTION







The fields of Law, Public Safety, Corrections and Security involve planning, managing and providing legal, public safety, protective and homeland security services and also include the professional and technical-support assistance of personnel within these fields. Careers in this field involve serving and/or protecting our citizens. Law, public safety, corrections and security workers are found in a variety of settings. This pathway prepares students for careers in such areas as criminology, legal studies, forensics and psychology.

<b>CAREER OPT</b>	IONS		
	Security Guard	Sheriff	Firefighter
HIGH SCHOOL	Fire Inspector	Police Officer	Dispatcher
DIPLOMA	Correctional Officer	Jailer	Security Guard
& TRAINING	Animal Control Worker	Bailiff	Lifeguard
	Emergency Management Specialist		
2+ YEARS POST-SECONDARY	Paralegal	Mediator	Parole Officer
EDUCATION	Immigration & Customs Inspector	Court Reporter	
4-YEAR+ DEGREE	Attorney	Park Ranger	Loss Prevention Manager
4-TEAR+ DEGREE	Judae	Forensic Science Technician	

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Crime Scene Technician	Bachelor's Degree	\$30,000 - \$60,000
Park Ranger	Bachelor's Degree	\$30,000 - \$90,000
Court Reporter	Post-Secondary Education	\$35,000 - \$55,000
Emergency Management Specialist	High School Diploma & Training	\$30,000 - \$60,000
Fire Inspector	High School Diploma & Training	\$24,000 - \$61,000
Police Officer	High School Diploma & Training	\$29,000 - \$110,000
Security Guard	High School Diploma	\$19,000 - \$40,000
Firefighter	High School Diploma	\$29,000 - \$45,000

Student Organization: SkillsUSA • www.skillsusa.org Family, Career & Community Leaders of America • www.fcclainc.org Manufacturing is one of the oldest industries in the technological world. Manufacturing industries are the chief wealth-producing sectors of an economy. Manufacturing employs a huge share of the labor force and produces materials required by sectors of strategic importance, such as national infrastructure and defense. This pathway includes careers that manufacture products, maintain production facilities and improve the production process.

<b>CAREER OPTIONS</b>			
HIGH SCHOOL DIPLOMA & TRAINING	Machine Operator	Repair Assistant	Welding Apprentice
2+ YEARS	Welder	Plant Supervisor	Precision Machinist
POST-SECONDARY EDUCATION	Fabrication Mechanic	Sheet Metal Technician	
4-YEAR+ DEGREE	Production Engineer	Quality Control Engineer	

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Mechanical Engineer	Bachelor's Degree	\$52,000 - \$121,000
Electrical Engineer	Bachelor's Degree	\$56,000 - \$136,000
Chemical Engineer	Apprenticeship/On-the-Job Training	\$58,000 - \$154,000
Welder	Apprenticeship/On-the-Job Training	\$24,000 - \$56,000
Rigger	Apprenticeship/On-the-Job Training	\$26,000 - \$83,000
Painter	Apprenticeship/On-the-Job Training	\$22,000 - \$60,000
Sheet Metal Worker	Apprenticeship/On-the-Job Training	\$25,000 - \$74,000
Pipe fitter	Apprenticeship/On-the-Job Training	\$29,000 - \$84,000







LIKES GIVING &
FOLLOWING DIRECTION
STRONG MATH
& TECHNICAL SKILLS
ENJOYS TEAMWORK
DETAIL-ORIENTED
EXCELLENT
TIME MANAGEMENT SKILLS



ENJOYS DRESSING
PROFESSIONALLY
CREATIVITY
EXCELLENT
TIME MANAGEMENT SKILLS
STRONG COMMUNICATION,
MATH & TECHNICAL SKILLS
ORGANIZED







Students thinking about careers in Marine Science often picture themselves working with whales. However, within the marine science field, only a few scientists specialize in that area. Marine biologists study the behavior and ecology of plants and animals that live in the ocean and their roles in the marine food chain. Oceanographers study the geological, chemical and physical aspects of the ocean. Ocean engineering covers the work of building and designing instruments, equipment, vehicles and structures used in the marine environment.

<b>CAREER OPTIONS</b>			
2+ YEARS POST-SECONDARY EDUCATION	Biological Technician	Chemical Technician	Science Technician
4-YEAR+ DEGREE	Biologist	Geographical Oceanographer	Chemist
	Electrical Engineer	Naval Architect	

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Biologist	Bachelor's Degree	\$37,000 - \$95,000
Chemist (experienced)	Bachelor's Degree	\$41,000 - \$121,000
Environmental Scientist	Bachelor's Degree	\$48,000 - \$187,000
Marine Research Associate	Bachelor's Degree	\$40,000 - \$50,000
Naval Architect	Bachelor's Degree	\$54,000 - \$151,000
Oceanographer	Bachelor's Degree	\$50,000 - \$99,000

Advertisements in the newspaper, TV commercials, jingles on the radio, grocery store posters, bumper stickers, e-mail ads and Web sites are created as part of marketing campaigns to entice consumers to buy products. Marketing is the link between an organization and its target audience, which includes customers, clients, investors and partners. Marketers create, manage, enhance and sell products and services so that they reflect well on the company's brand. A key part of a marketer's job is to understand the needs, preferences and constraints that define the targeted consumers corresponding to the brand. This career pathway is a good fit for people who are creative or number-minded statisticians with the ability to communicate persuasively, to "think on their feet," to use tact, to employ good judgment and to establish and maintain effective relationships with people at all levels within and outside the company.

CAREER OPTIONS			
HIGH SCHOOL DIPLOMA	Product Demonstrator	Order Clerk	Telemarketer
& TRAINING	Sales Associate	Customer Service Representative	
2+ YEARS POST-SECONDARY EDUCATION	Sales Representative	Retail Manager	
	Sales Manager	Event Planner	Marketing Consultant
4-YEAR+ DEGREE	Market Researcher	Advertiser	Media Buyer
	Media Coordinator	Advertising Salesperson	

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Event Planner	Bachelor's Degree	\$26,000 - \$79,000
Advertising Manager	Bachelor's Degree	\$43,000 - \$187,000
Retail Manager	On-the-Job Training/Post-Secondary Education	\$28,000 - \$62,000
Sales Agent	On-the-Job Training/Post-Secondary Education	\$22,000 - \$103,000
Customer Service Representative	High School Diploma	\$19,000 - \$49,000



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STRONG COMPUTER SKILLS ATTENTION TO DETAIL

**EXCELLENT** TIME MANAGEMENT SKILLS

**ORGANIZED** 



Transportation, Distribution, and Logistics (TDL) relates to how goods are moved from one place to another. As far as goods and services are concerned, our world is flat. TDL takes care of how we get Mississippi farm-raised catfish to Europe and how the latest Paris styles arrive in the United States. TDL industries need motivated people with new ideas to ensure the U.S. transportation system continues to work efficiently. This pathway includes the planning, management and movement of people, materials and products by road, air, rail and water. It also includes related professional and technical services, such as infrastructure planning and management, logistics and maintenance of equipment and facilities.

<b>CAREER OPTIONS</b>			
HIGH SCHOOL DIPLOMA & TRAINING	Air Traffic Controller Ship Captain	Commercial Pilot Service Attendant	Railroad Conductor Operator
2+ YEARS POST-SECONDARY EDUCATION	Marine Mechanic	Automotive Mechanic	Operations Technician
4-YEAR+ DEGREE	Atmospheric Scientist		

OCCUPATION	EDUCATION REQUIRED	ANNUAL SALARY RANGE
Airport Manager	Bachelor's Degree	\$40,000 - \$150,000
Atmospheric Scientist	Bachelor's Degree	\$87,780 - \$110,000
Civil Engineer	Bachelor's Degree	\$77,560 - \$120,000
Commercial Pilot	On-the-Job Training/Post-Secondary Education	\$43,150 - \$110,000
Auto Paint Technician	High School Diploma/On-the-Job Training	\$36,000 - \$80,000
Salesperson	High School Diploma/On-the-Job Training	\$30,000 - \$110,000
Crane Operator	High School Diploma/On-the-Job Training	\$29,000 - \$79,000
Service Advisor	High School Diploma	\$30,000 - \$70,000

Student Organization: SkillsUSA • www.skillsusa.org Family, Career & Community Leaders of America • www.fcclainc.org

### **AEROSPACE**

Aerojet Rocketdyne

Lockheed Martin Space Systems Company

### **AGRICULTURE, FOOD** & NATURAL RESOURCES

Harrison County Soil and Water Conservation District MS Agricultural & Forestry Experiment Station Mississippi 4-H

Mississippi Farm Bureau

Mississippi Forestry Commission

MSU Coastal Research & Extension Center MSU Dept. of Animal and Dairy Science

MSU Dept. of Poultry Science

MSU Extension

MSU School of Human Sciences

Natural Resources Conservation Service

### ARCHITECTURE & CONSTRUCTION

Allred Architectural Group Block USA

Fox Blocks

Home Depot

Ingalls Shipbuilding

Mississippi Construction Education Foundation Moore Community House

MP Design Group

National Assoc. of Women in Construction Naval Construction Battalion Center

Pearl River Community College

Performance Contractors

Roy Anderson Corp.

Safety Source Southern Building Supply

Sunbelt Rentals

University of Southern Mississippi

### **ARTS, AV TECHNOLOGY** & COMMUNICATIONS

jz94.5

Lynn Meadows Discovery Center

Óhr-O'Keefe Museum Walter Anderson Museum of Art

WLOX-TV

### **BUSINESS MANAGEMENT** & ADMINISTRATION

Mississippi Small Business Development Center Ready2Startup

Revamp Business Solutions South Mississippi Contract Procurement Center

Sports Shack

USM School of Business

### **EDUCATION & TRAINING**

### **ENERGY**

Blossman Gas

Coast Electric Power Association

Mississippi Power Company Singing River Electric Power Association

### **ENGINEERING**

Brown, Mitchell & Alexander, Inc. Engineers Without Borders Gulf Coast Chapter Gulf Coast Robotics Mississippi Power Compar

MSU Bagley College of Engineering Orion Engineering

The Chemours Company **USM Polymer Science** 

### **FINANCE**

Bancorp South

Charter Bank Coastal Credit Union

Community Bank

Hope Community Credit Union Keesler Federal Credit Union

Merchants & Marine Bank

Navigator Federal Credit Union

People's Bank

Piltz, Williams, LaRosa & Co. Prudential

Regions Bank

The First Bank Wells Fargo

Woodforest National Bank

### **GOVERNMENT** & PUBLIC ADMINISTRATION

Mississippi Dept. of Employment Security Mississippi Economic Council Tech Masters Office of Mississippi Secretary of State

### **HEALTH SCIENCE**

Digestive Health Center Doctor's Specialty Pharmacy Hancock Medical Center

Keesler Medical Center Magnolia Health Insurance

Memorial Hospital Merit Health Bilox

Mississippi Dept. of Health Division of Dental Services

Mississippi Gulf Coast Community College

Mississippi Highway Patrol Pediatric Dental Clinic

PRN Home Care

Saad Healthcare Stone County Hospital

William Carey University College of Nursing and College of Osteopathic Medicine

### **HOSPITALITY & TOURISM**

Beau Rivage

### **HUMAN SERVICES**

3C: Creative Communications & Consulting American Red Cross Back Bay Mission

Chris's Beauty College El Pueblo

Salvation Army

### INFORMATION TECHNOLOGY

**CSpire** 

### LAW, PUBLIC SAFETY, **CORRECTIONS & SECURITY**

Biloxi Fire Dept. Biloxi Police Dept. Gulfport Fire Dept

Gulfport Police Dept.

Harrison Co. Emergency Management Agency Harrison Co. Fire Dept. Harrison Co. Sheriff's Dept

Jackson Co. Sheriff's Dept. MS Coast Crime Stoppers

Mississippi Dept. of Marine Resources Mississippi Dept. of Transportation Mississippi Emergency Management Agency Mississippi Highway Patrol

MS Security Police Pascagoula Police Dept.

Transportation Security Administration William Carey University

### **MANUFACTURING**

Ingalls Shipbuilding Lincoln Electric Miller Electric

**WESCO** 

Mississippi Gulf Coast Community College

**MARINE SCIENCE** 

Institute for Marine Mammal Studies Maritime & Seafood Industry Museum Mississippi Dept. of Marine Resources Naval Oceanographic Office USM School of Ocean Science and Technology

### **MARKETING**

Barnes & Noble Beau Rivage Best Buy Biloxi Shuckers

Coldwell Banker Alfonso Realty - Donna Lishen Cooper Communications

D Wilson & Associates Publishing & Marketing Geek Sauad

Geiger Promotional Products Humane Society of South Mississippi

Naval Construction Battalion Center Pickering Firm, Inc.

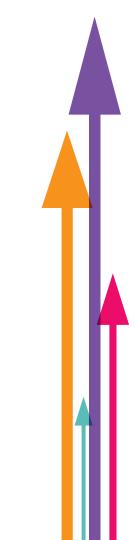
Sun Herald The Focus Group The KARD Group

The Promoter. Org Tulane University

Visit Mississippi Gulf Coast Women's Resource Center

### TRANSPORTATION, **DISTRIBUTION & LOGISTICS**

Coast Transit Authority Gulfport-Biloxi International Airport Mississippi Dept. of Transportation Port of Gulfport





Aramark
Convention Display Services
Gulfport School District
Harrison County School District
Jim Brooks
Mississippi Dept. of Education & Jean Massey
Mississippi Dept. of Employment Security
Mississippi State Workforce Investment Board
Pascagoula-Gautier School District
Senator Brice Wiggins
Southern Mississippi Planning & Development District
Walmart Logistics









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www.pathways2possibilities.org

Bay-Waveland Middle Bayou View Middle Beaumont Elementary Biloxi Jr. High Cedar Lake Christian Academy Colmer Middle D'Iberville Middle East Central Middle Gautier Middle George Co. Middle Gulfport Central Middle Hancock Middle Leakesville Jr. High Long Beach Middle Magnolia Middle McLain Elementary Middle School of Poplarville

New Augusta Elementary North Gulfport Middle North Woolmarket Middle Ocean Springs Middle Our Lady Academy Pass Christian Middle Pearl River Central Jr. High Picayune Jr. High Resurrection Middle Richton High Runnelstown Elementary Sand Hill Attendance Center St. Martin Middle St. Patrick Middle Stone Middle Vancleave Middle West Wortham Middle









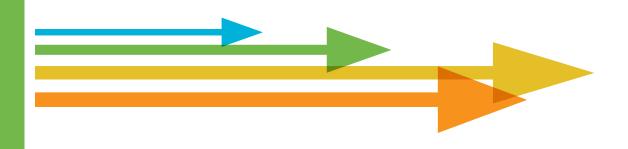




## PATHWAYS2POSSIBILITIES engage | educate | empower

"Understand that the right to choose your own path is a sacred privilege. Use it. Dwell in possibility."

~ Oprah Winfrey



Pathways2Possibilities: P2P 2016