

## 2017-2018 SCHOOL PROFILE | SUNCOAST POLYTECHNICAL HIGH SCHOOL

### MISSION

To provide a highly personalized educational experience where students master a rigorous career and technology driven curriculum within a thematic, analytical, and interactive teaching and learning environment.

### VISION

To be recognized for providing a world-class technical education.

### SUNCOAST POLYTECHNICAL HIGH SCHOOL

(SPHS) is a technology magnet high school that offers a rigorous curriculum to prepare its students for college and careers. SPHS graduated its first class in June of 2012 and sits on a 66 acre campus that is shared with Suncoast Technical College.

- All elective classes are incorporated into a student's individual career area of choice. Students can select from different career academies including: Animation/Gaming/Simulation, Business Technology, Digital Video Production, Automotive Technologies, Practical Nursing, EMT/Fire Fighter, or Robotics/Applied Engineering.
- Small school atmosphere created by capping total enrollment at 600 for students grades 9-12, or 150 students per grade level.
- Offers the only Animation/Gaming/Simulation program in the country, helping prepare students for a career that focuses on designing the video games of the future.
- In partnership with STC, SPHS students can participate in many programs offered on the shared campus including Emergency Medical Technician, Paramedic, Certified Nursing Assistant, Licensed Practical Nurse, Cyber Security, Accounting Operations, Legal Administrative Assistant, Certified Culinarian and an ASE certified Auto Tech.
- Through a strong partnership with the local business community, SPHS students have the opportunity to participate in job shadowing experiences beginning in ninth grade.

### EXECUTIVE DIRECTOR

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## SIGNATURE CTE PROGRAMS (Grades 9 & 10)

### **ANIMATION/GAMING/SIMULATION (A/G/S)**

- Prepares students for possible careers as Game or Simulation 3D Animators, Game Software Developers, Concept/Storyboard Artists, Character Artist & Animators, and more.
- Students explore drawing, painting, and sculpting techniques for the purposes of character and environment design, as well as complex concepts in game design and interactive media.

### **AUTOMOTIVE TECHNOLOGIES**

- Prepares students for possible careers in Auto Collision Repair & Refinishing, Automotive Service Technology, and Marine Service Technology.
- Students learn how to diagnose problems and repair gas powered chainsaws, lawn mowers, golf carts, and other similar equipment.

### **BUSINESS TECHNOLOGY**

- Programs within this academy include Business Management & Administration, Cosmetology, Culinary, Automotive Service, and Information Technology.
- Prepares students the fundamentals of starting and operating a business venture while presenting entrepreneurship as a viable career option.

### **DIGITAL VIDEO PRODUCTION (DVP)**

- Programs within this academy include Digital Video Production,

Multimedia Technology, and Information Technology.

- Prepares students for initial employment as production assistants, audio/video equipment technician, video/TV camera operators, video editors, multi-media artists/animators and broadcast technicians.

### **ROBOTICS/APPLIED ENGINEERING**

- Programs within this academy include Architectural Drafting, Construction Technology, Manufacturing Technology, and Robotics.
- Robotics Program provides a foundation of knowledge and technically oriented experiences in the study of the principles and applications of robotics engineering.
- Engineering Program provides an in-depth mastery of associated mathematics, science, and technology knowledge and skills needed for post-secondary programs.

### **HEALTH SCIENCE**

- Programs within this academy include Fire Fighter, ER Medical Technician, ER Medical Responder, Veterinarian Assisting, Practical Nursing, Nursing Assistant.
- Provides rigorous and relevant curriculum that is project and problem-based to engage and prepare students for the post-secondary education and training necessary for success in a wide variety of careers associated with the Biomedical Sciences.

## SIGNATURE CTE PROGRAMS (Grades 11 & 12)

### **ANIMATION/GAMING/SIMULATION (A/G/S)**

- Prepares students for possible careers as Game or Simulation 3D Animators, Game Software Developers, Concept/Storyboard Artists, Character Artist & Animators, and more.

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

- Prepares students for possible careers in Auto Collision Repair & Refinishing, Automotive Service Technology, and Marine Service Technology.

### **BUSINESS, MANAGEMENT & ADMINISTRATION**

- Prepares students for possible careers in Accounting Applications, Administrative Office Specialist, Business Management & Analysis, Legal Administrative Specialist, and Medical Administrative Specialist.

### **ARTS, A/V TECHNOLOGY & COMMUNICATION**

- Prepares students for possible careers in Digital Design and Digital Video Production.

### **INFORMATION TECHNOLOGY**

- Prepares students for possible careers in Computer Systems & Information Technology and .NET Application Development & Programming.

### **HEALTH SCIENCE**

- Prepares students for possible careers as Fire Fighter, ER Medical Technician, ER Medical Responder, Veterinarian Assisting, Practical Nursing, Nursing Assistant.
- Provides rigorous and relevant curriculum that is project and problem based to prepare students for post-secondary education and training necessary for success in a wide variety of Biomedical Science careers.

### **HOSPITALITY & TOURISM**

- Prepares students for possible careers in Culinary Arts and Commercial Foods.

### **EDUCATION & TRAINING**

- Prepares students for possible careers in Early Childhood Education.

### **ARCHITECTURE & CONSTRUCTION**

- Prepares students for possible careers in Drafting, Air Conditioning, Refrigeration & Heating Technology, Electricity, and Plumbing.

### **HUMAN SERVICE**

- Prepares students for possible careers in Cosmetology.

## ATHLETICS

Eligible SPHS students who are in grades 9-12 and registered full time may participate in interscholastic athletic programs offered at another Sarasota County high school following all Controlled Open Enrollment (Special School Interscholastic Athletics Participation Designation) guidelines and procedures established by Sarasota County School Board.

## CLUBS & ORGANIZATIONS

SPHS clubs and organizations provide meaningful career and leadership activities directly related to the student's CTE program of study. Many students go on to network and compete with other students and professionals at the Local, State and National levels in Skills USA. The 13 clubs available include Animation & Gaming Club, Art Club, National Honor Society (NHS), Student Council, Technology Student Association (TSA).