

# Information & Communication Pathways



## Explore Careers Information Technology

- Foundations of Computer Science use an inquiry-based, hands-on approach to understand and solve real world computing problems
- Install, configure and troubleshoot basic networking hardware, protocols and services.
- Use inquiry, research, and design methods to solve problems, and construct robotic devices using industry-standard systems software and technology.



### Information Technology Classes

|                                   |    |
|-----------------------------------|----|
| Exploring Computer Science        | 01 |
| ICT Essentials                    | 02 |
| AP Computer Science Principles    | 02 |
| Technology Certification Business | 03 |
| Professional Internship           | 03 |



For more info on the ICT Pathway

[For course descriptions click here.](#)

### Sample 4 Year Plan

| INFORMATION & COMMUNICATION TECHNOLOGIES SECTOR<br>NETWORK COMMUNICATIONS PATHWAY |                  |                            |                        |                                       |  |
|---|------------------|----------------------------|------------------------|---------------------------------------|--|
| Course Types  | Middle School    | 9 <sup>th</sup> grade      | 10 <sup>th</sup> grade | 11 <sup>th</sup> grade                | 12 <sup>th</sup> grade                           |
| English   |                  | English 9                  | English 10             | English 11                            | English 12 EAP                                   |
| (Integrated Core)   |                  |                            |                        |                                       |  |
| History   |                  | Freshman Seminar/Health    | World History          | US History                            | Government/Econ                                  |
| Math  |                  | Algebra I                  | Geometry               | Algebra II                            | Pre-Calc / Trig                                  |
| (Integrated Core)   |                  |                            |                        |                                       |  |
| Science   |                  | Science                    | Biology                | Chemistry                             | Biology A/P or Physiology                        |
| PE  |                  | P.E.                       | P.E.                   | N/A                                   | N/A  |
| Technical Core  | STEM Action Labs | Exploring Computer Science | Principles of Business | Technology Certification for Business | Professional Internship                          |
| Foreign Language, Elective or VPA   |                  | Student Choice             | Student Choice         | Student Choice                        | AP Computer Science Principals OR Student Choice |