The Destinations Information Support and Services Pathway prepares students to test and evaluate computer network systems, set up or repair computer equipment and related devices, and help customers solve computer-related problems.

**DID YOU KNOW?**

$48,900/YR
17% JOB GROWTH
EXPECTED BY 2022

$72,560/YR
12% JOB GROWTH
EXPECTED BY 2022

INFORMATION TECHNOLOGY (IT)
INFORMATION SUPPORT AND SERVICES PATHWAY

COURSE DESCRIPTIONS

IT AND MANUFACTURING EXPLORATIONS
This course is designed as an exploration of two career clusters. Students receive an introduction to these fields so they can better assess which pathway to pursue. The first half of the course provides an introduction to the essentials of web design, from planning page layouts to publishing a complete site to the web. Students learn how to use HTML to design their own web pages. The course covers basic HTML tags for formatting text as well as more advanced tags. Through real-world design scenarios and hands-on projects, students create compelling, usable websites using the latest suite of free tools. The second half of the course has an introduction to engineering and to advanced manufacturing.

A+ COMPUTER MANAGEMENT 1 AND 2 WITH CERTIFICATION PREP
These courses provide an introduction to managing and maintaining computer hardware and software. These courses closely integrate the CompTIA A+ Exam objectives to prepare students for the 220-801 and 220-802 certification exams. Students learn about current technology, techniques, and industry standards in the dynamic, fast-paced field of PC repair. Optional materials students supply at their own cost: additional desktop computer for hands-on practice.

NETWORK+ GUIDE TO NETWORKS 1 AND 2 WITH CERTIFICATION PREP
These courses give students the technical skills and industry know-how to pursue an exciting career installing, configuring, and troubleshooting computer networks. These courses prepare students for CompTIA’s Network+ N10-006 certification exam. Students explore on-the-job stories, application activities, and hands-on projects to develop real-world problem-solving skills.

SECURITY+ 1 AND 2 WITH CERTIFICATION PREP
These courses cover the essentials of network security, including compliance and operational security, threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography, mobile device security, and virtualization. The use of case studies allows students to explore real-world security scenarios, and hands-on projects allow students to apply what they have learned.

VISIT K12.COM/DESTINATIONS
CALL 855.628.9525
The Destinations Programming and Software Development Pathway prepares students to learn the language of computers, create software programs, maintain computer systems and software, and help others solve computer program-related issues.

**SAMPLE COURSE PROGRESSION**

**4-YEAR PLAN**

<table>
<thead>
<tr>
<th>9TH</th>
<th>10TH</th>
<th>11TH</th>
<th>12TH</th>
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</thead>
<tbody>
<tr>
<td>IT and Manufacturing Explorations</td>
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<td>Java™ Programming 1</td>
<td>NOCTI (JAVA™) Exam Prep</td>
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<tr>
<td>Introduction to Computer Science</td>
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**3-YEAR PLAN**

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**Possible Careers**
- Applications Software Developer
- Computer Programmer
- Computer and Information Systems Manager
- Software Quality Assurance Engineer
- Systems Software Developer

**Industry-Recognized Credentials**
Destinations programs prepare students for the:
- National Occupational Competency Testing Institute Computer Programming Exam

**Success Beyond High School**
Destinations graduates may pursue:
- Computer science certificate
- Associate’s degree in information technology
- Bachelor’s degree in computer science

**DID YOU KNOW?**

**SOFTWARE DEVELOPERS CAN EARN**

$93,350/YR

22% JOB GROWTH

EXPECTED BY 2022

**COMPUTER PROGRAMMERS CAN EARN**

$74,280/YR

8% JOB GROWTH

EXPECTED BY 2022

IT AND MANUFACTURING EXPLORATIONS

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INTRODUCTION TO COMPUTER SCIENCE

This course provides a solid foundation using an algorithm-driven approach that is ideal for students’ first course in computer science. Students learn about emerging topics, such as privacy, drones, cloud computing, and net. Students also are introduced to programming languages such as C++, Java™, Python, C#, and Ada.

PROGRAMMING LOGIC AND DESIGN

This course prepares student programmers for success by teaching them the fundamental principles of developing structured program logic. This course takes a unique, language-independent approach to programming, with a distinctive emphasis on modern conventions and prepares students for all programming situations with introductions to object-oriented concepts, UML diagrams, and databases.

JAVA™ PROGRAMMING 1 AND 2

These courses introduce programmers to the power of Java for developing applications while learning the basic principles of structured and object-oriented programming. These courses incorporate the latest version of Java with meaningful real-world exercises, and a wealth of case problems helps students build skills critical for ongoing programming success.

NOCTI (JAVA™) EXAM PREP

This course prepares you for the NOCTI and A*S*K certification examinations. Industry-recognized certifications are based on the scores to these tests.

OTHER ELECTIVES

May not be offered at every school, every semester. Check with school for details.

The Destinations Web and Digital Communications Pathway prepares students to design, build, or maintain websites and applications; design graphics and animations; and develop design layouts.

### SAMPLE COURSE PROGRESSION

#### 4-YEAR PLAN

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<tbody>
<tr>
<td>IT and Manufacturing Explorations</td>
<td>Digital Arts 1</td>
<td>Adobe® Photoshop® with Exam Prep</td>
<td>Adobe® DreamWeaver® with Exam Prep</td>
</tr>
<tr>
<td>Digital Arts 2</td>
<td>Adobe® Illustrator® with Exam Prep</td>
<td>Adobe® InDesign® with Exam Prep</td>
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#### 3-YEAR PLAN

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<td>Industry-Recognized Credentials</td>
<td>Success Beyond High School</td>
<td></td>
</tr>
<tr>
<td>Digital Arts 2</td>
<td>Destinations programs prepare students for the:</td>
<td>Destinations graduates may pursue:</td>
<td></td>
</tr>
<tr>
<td>Digital Arts 1</td>
<td>• National Occupational Competency Testing Institute Web Design Exam</td>
<td>• Graphic design certificate</td>
<td></td>
</tr>
<tr>
<td>Adobe® Photoshop® with Exam Prep</td>
<td>• Adobe Certified Associate (ACA) certifications</td>
<td>• Associate’s degree in graphic communications</td>
<td></td>
</tr>
<tr>
<td>Adobe® InDesign® with Exam Prep</td>
<td>• 3D Animator</td>
<td>• Bachelor’s degree in visual and performing arts</td>
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</table>

#### Possible Careers

- Webmaster
- Web Designer
- Web Developer
- Digital Media Specialist
- Multimedia Producer
- Multimedia Artist and Animator
- 3D Animator
- Digital Artist
- Graphic Designer

#### Industry-Recognized Credentials

- National Occupational Competency Testing Institute Web Design Exam
- Adobe Certified Associate (ACA) certifications

#### Success Beyond High School

- Graphic design certificate
- Associate’s degree in graphic communications
- Bachelor’s degree in visual and performing arts

### DID YOU KNOW??

**GRAPHIC DESIGNERS CAN EARN**

$44,150/YR

7% JOB GROWTH

EXPECTED BY 2022

**MULTIMEDIA ARTISTS CAN EARN**

$61,370/YR

6% JOB GROWTH

EXPECTED BY 2022

IT AND MANUFACTURING EXPLORATIONS
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DIGITAL ARTS 1
In this exploratory course, students learn the elements and principles of design as well as foundational concepts of visual communication. While surveying a variety of media and art, students use image editing, animation, and digital drawing to put into practice the art principles they’ve learned. They explore career opportunities in the design, production, display, and presentation of digital artwork. They respond to the artwork of others and learn how to combine artistic elements to create finished pieces that effectively communicate their ideas.

DIGITAL ARTS 2
Students build on the skills and concepts they learned in Digital Arts 1 as they develop their vocabulary of digital design elements. By the end of the course, students will have created a collection of digital art projects for their digital design portfolio.

ADOBE® ILLUSTRATOR® WITH EXAM PREP
This course provides students in-depth exploration in all areas of Adobe® Illustrator®. Beginning with fundamental concepts and progressing to the software’s full set of features, this course allows students to build a portfolio by completing projects that explore and express their unique creative talents. This course prepares students for the Adobe Certified Associate certification exam.

ADOBE® DREAMWEAVER® WITH EXAM PREP
This course helps students master the industry-standard web development software by emphasizing all aspects of Dreamweaver® such as its interface, features, and functionality. The course includes hands-on projects and real-world case studies to help students hone their skills and appreciate their professional relevance. The course explores cutting-edge web standards and design trends that can serve students well throughout their careers. This course prepares students for the Adobe Certified Associate certification exam.

ADOBE® INDESIGN® WITH EXAM PREP
This course provides students with an in-depth exploration of Adobe® InDesign®, the industry standard for page layout software. This course covers fundamental concepts, starting with the workspace, and proceeds logically and intuitively to more advanced topics. Students learn how to work in InDesign® using either Mac or PC platforms, and the course includes extensive coverage of Creative Cloud features. This course prepares students for the Adobe Certified Associate certification exam.

ADOBE® PHOTOSHOP® WITH EXAM PREP
This course provides a solid foundation for students to learn cutting edge technology for sophisticated digital editing. Students progress from basic to advanced Photoshop® techniques and learn not only the how, but also the why, behind each Photoshop® tool to help students excel at design as well as master the software. This course prepares students for the Adobe Certified Associate certification exam.