**8th grade DATA TECHNOLOGY ELECTIVES**

**3032- PRINCIPLES OF ARCHITECTURE**

Grade:8 Term: Full Year Credit:1.0

This is the first course in the Architecture Program of study. This introductory course provides an overview to the various fields of architecture, interior design, construction science, and construction technology.

**3020 - PRINCIPLES OF ART, A/V, AND COMMUNICATION**   
Grade: 8       Term: Full Year       Credit: 1.0   
This course develops a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. The student applies information technology applications when completing Arts, Audio/Video Technology, and Communications projects. The student is expected to use information management, email, Internet, writing and publishing, presentation and spreadsheet or database applications.

**3025 - FUNDAMENTALS OF COMPUTER SCIENCE**   
  
Grade: 8       Term: Full Year       Credit: 1.0   
An introductory course for students just beginning the study of computer science. Students will be able to design, implement, and produce solutions to everyday problems within technology systems.

**3013 - WEB DESIGN**   
  
Grade: 8       Term: Full Year       Credit: 1.0   
  
This course covers design, development, creation and maintenance of web sites using both HTML and WYSIWYG software. Students will learn what it takes to create and manage a web site on the Internet and Intranet. Hardware used as part of the class includes digital cameras, scanners, and video cameras. Software used as part of the class includes Dreamweaver, Adobe Photoshop, Fireworks, Flash and an introduction to JavaScript.