Counselors are available to assist parents and students with course selections and career planning. Parents may arrange to meet with the counselor by calling the school's guidance department.

Family and Consumer Sciences programs facilitate student progress toward a set of unifying goals in the areas of academic achievement, cultural and environmental issues, health and safety, individual and family relations, leadership and workplace ethics, and application of technology. The mission of Family and Consumer Sciences is to prepare students for family life, work life, and careers in the field by providing opportunities to develop the knowledge, skills, attitudes, and behaviors needed to become responsible, successful adults.

COURSE DESCRIPTION
Dental Assisting is a 2-year program for rising 11th graders. Students are introduced to the careers in dentistry, including dentist, dental hygienist, dental assistant, dental laboratory technician, and dental receptionist. Students practice and learn about many of the skills utilized in these professions while attaining all the skills necessary to become a dental assistant. Study includes infection control and OSHA standards, anatomy and physiology, tooth morphology, oral histology, preventive dentistry, applied psychology, effective communication, office administration and management, use of dental software, operative dentistry techniques, and dental materials/laboratory skills.

Certification: National Registered Dental Assistant Certification (NRDA) National Board of Dentistry: Radiation Health and Safety Certification, National Occupational Competency Testing Institute: Dental Assisting

STUDENT ORGANIZATION
HOSA – Future Health Professionals
The mission of HOSA is to enhance the delivery of compassionate, quality health care by providing opportunities for knowledge, skill and leadership development of all health occupations education students, therefore, helping the students to meet the needs of the health care industry.

PREREQUISITE
None

OPTIONS FOR NEXT COURSE

REQUIRED STUDENT TEXTBOOK
Dental Assisting: A Comprehensive Approach, 2008
The competencies for Dental Assisting II are as follows:

**Demonstrating Workplace Readiness Skills: Personal Qualities and People Skills**
1. Demonstrate positive work ethic.
2. Demonstrate integrity.
3. Demonstrate teamwork skills.
4. Demonstrate self-representation skills.
5. Demonstrate diversity awareness.
6. Demonstrate conflict-resolution skills.
7. Demonstrate creativity and resourcefulness.

**Demonstrating Workplace Readiness Skills: Professional Knowledge and Skills**
8. Demonstrate effective speaking and listening skills.
9. Demonstrate effective reading and writing skills.
10. Demonstrate critical-thinking and problem-solving skills.
11. Demonstrate healthy behaviors and safety skills.
12. Demonstrate an understanding of workplace organizations, systems, and climates.
13. Demonstrate lifelong-learning skills.
14. Demonstrate job-acquisition and advancement skills.
15. Demonstrate time-, task-, and resource-management skills.
16. Demonstrate job-specific mathematics skills.
17. Demonstrate customer-service skills.

**Demonstrating Workplace Readiness Skills: Technology Knowledge and Skills**
18. Demonstrate proficiency with technologies common to a specific occupation.
19. Demonstrate information technology skills.
20. Demonstrate an understanding of Internet use and security issues.
21. Demonstrate telecommunications skills.

**Examining All Aspects of an Industry**
22. Examine aspects of planning within an industry/organization.
23. Examine aspects of management within an industry/organization.
24. Examine aspects of financial responsibility within an industry/organization.
25. Examine technical and production skills required of workers within an industry/organization.
26. Examine principles of technology that underlie an industry/organization.
27. Examine labor issues related to an industry/organization.
28. Examine community issues related to an industry/organization.
29. Examine health, safety, and environmental issues related to an industry/organization.

**Addressing Elements of Student Life**
30. Identify the purposes and goals of the student organization.
31. Explain the benefits and responsibilities of membership in the student organization as a student and in professional/civic organizations as an adult.
32. Demonstrate leadership skills through participation in student organization activities, such as meetings, programs, and projects.
33. Identify Internet safety issues and procedures for complying with acceptable use standards.

**Performing Administrative Functions**
34. Schedule appointments.
35. Recall patient, using the various recall systems.
36. Demonstrate accounts receivable procedures.
37. Perform accounts payable transactions.
38. Fill out insurance forms in accordance with the Health Insurance Portability and Accountability Act (HIPAA).
39. Take inventory, and order supplies.
Demonstrate use of common dental office computer applications.

**Handling Medical Emergencies**
41 Explain the basic medical emergency procedures and rules for the dental office.
42 List items found in a basic emergency kit.
43 Describe the causes, symptoms, and treatment of selected medical situations/emergencies.
44 Demonstrate cardiopulmonary resuscitation (CPR) and/or automated external defibrillator (AED) procedures.

**Assisting with Advanced Pharmacology and Pain Control**
45 Describe the components of a prescription.
46 Describe the signs and symptoms of drug abuse.
47 Explain the major routes of drug administration.
48 Describe various drugs used in dentistry.

**Performing Radiographic Procedures**
49 Describe the basic concepts of radiography.
50 Describe radiographic equipment.
51 Describe digital radiography.
52 Outline governmental health and safety standards for use of radiographic equipment.
53 Demonstrate techniques for executing radiographic exposures in accordance with safety standards.
54 Identify quality-control tests to ensure the production of high quality radiographs.
55 Demonstrate various methods of processing radiographs.
56 Demonstrate mounting radiographs.
57 Explain radiographic techniques to use for patients with special needs.
58 Maintain radiographic processing equipment.

**Demonstrating Chairside Procedures**
59 Prepare an amalgam tray, and mix and manipulate materials for use in procedure.
60 Prepare a composite tray, and mix and manipulate materials for use in procedure.
61 Prepare a basic oral surgery tray and materials for use in procedure.
62 Prepare an endodontic tray, and mix and manipulate materials for use in procedure.
63 Prepare a basic periodontal tray, and mix and manipulate materials for use in procedure.
64 Prepare a basic orthodontic tray, and mix and manipulate materials for use in procedure.
65 Prepare a prosthodontic tray for fixed appliance, and mix and manipulate materials for use in procedure.
66 Prepare a prosthodontic tray for removable appliance, and mix and manipulate materials for use in procedure.
67 Prepare a sealant tray, and mix and manipulate materials for use in procedures.
68 Take alginate impressions for diagnostic casts.

**Performing Laboratory Procedures**
69 Pour and trim diagnostic casts.
70 Prepare a dental laboratory prescription.
71 Fabricate a custom tray.
72 Construct a temporary crown or bridge.
73 Construct miscellaneous appliances.

**Gaining and Maintaining Employment**
74 Develop a job-application packet.
75 Prepare for a job interview.
76 Evaluate job offers.
77 Explain the process for gaining certification.
78 Explain the importance of continuing education.
Dr. Aaron C. Spence, Superintendent
Virginia Beach City Public Schools
2512 George Mason Drive, Virginia Beach, VA 23456-0038

Produced by the Department of Media and Communications for the Department of Teaching and Learning.
For further information please call (757) 263-1070.

Notice of Non-Discrimination Policy
Virginia Beach City Public Schools does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. School Board policies and regulations (including, but not limited to, Policies 2-33, 4-4, 4-43, 5-7, 5-44, 6-7, 7-48, 7-49 and Regulations 5-44.1, 7-11.1, 7-57.1) provide equal access to courses, programs, counseling services, physical education and athletic, vocational education, instructional materials, and extracurricular activities.

To seek resolution of grievances resulting from alleged discrimination or to report violations of these policies, please contact the Title IX Coordinator/Director of Student Leadership at (757) 263-2020, 1413 Laskin Road, Virginia Beach, Virginia 23451 (for student complaints) or the Section 504/ADA Coordinator-Chief Human Resources Officer at (757) 263-1133, 2512 George Mason Drive, Municipal Center, Building 6, Virginia Beach, Virginia 23456 (for employees or other citizens). Concerns about the application of Section 504 of the Rehabilitation Act should be addressed to the Section 504 Coordinator/Director of Guidance Services and Student Records at (757) 263-1980, 2512 George Mason Drive, Virginia Beach, Virginia 23456 or the Section 504 Coordinator at the student’s school.

Alternative formats of this publication which may include taped, Braille, or large print materials are available upon request for individuals with disabilities. Call or write The Department of Teaching and Learning, Virginia Beach City Public Schools, 2512 George Mason Drive, P.O. Box 6038, Virginia Beach, VA 23456-0038. Telephone 263-1070 (voice); fax 263-1424; 263-1240 (TDD) or email at Kathleen.Vuono@vbschools.com.

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VIRGINIA BEACH CITY PUBLIC SCHOOLS
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