

New HORIZON Regional Education Center (C & T)

Pacing Guide

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Dental Assisting I

1 st Marking Period Topic/Unit	Virginia State Competencies	Standardized Test Areas for NOCTI/NCCT/Lie./Cert.	Supporting Equipment/Technology
Chapter 1 History of Dentistry	Trace development of dentistry from early civilizations to the present		Modern Dental Assisting 9 th Edition
Chapter 2 The Professional Dental Assistant	Describe ADA principles of ethics and Code of Professional Conduct	Identify career roles, functions, obligations and limitations of a dental assistant	Modern Dental Assisting 9 th Edition
Chapter 3 The dental Healthcare Team	List members of dental team educational requirements/responsibilities of each	Identify the roles of the dental healthcare team	Modern Dental Assisting 9 th Edition
Chapter 4 Dental Ethics	Examine Principles of ethics and Code of Conduct	Describe ethics and jurisprudence as they relate to the dental profession	Modern Dental Assisting 9 th Edition
Chapter 5 Dentistry and the Law	Examine legal/ethical issues related to Dentistry	Describe ethics and jurisprudence as they relate to the dental profession	Modern Dental Assisting 9 th Edition
Chapter 6 General Anatomy	Identify anatomical reference systems		Modern Dental Assisting 9 th Edition
Chapter 7 General Physiology	Identify bones and major anatomic landmarks of the skull		Modern Dental Assisting 9 th Edition
Chapter 8 Oral Embryology/Histology	Identify developmental disturbances that may occur during tooth development	Describe signs and functions of healthy periodontium	Modern Dental Assisting 9 th Edition
Chapter 9 Head and Neck Anatomy	Identify bones and major anatomic landmarks of the skull		Modern Dental Assisting 9 th Edition
Chapter 10 Landmarks of the face/oral cavity/Cert. _____	Identify major anatomic landmarks of the oral cavity	Demonstrate knowledge of the landmarks of the face and oral cavity	Modern Dental Assisting 9 th Edition
Chapter 11 Overview of the Dentition	Identify tooth numbers/letters of primary and permanent dentition	Define the numbering systems of permanent and primary dentitions	Modern Dental Assisting 9 th Edition
Chapter 12 Tooth Morphology	Identify the eruption of primary and permanent dentition	Name and identify the location of teeth and their surfaces	Modern Dental Assisting 9 th Edition
Chapter 46 Impression Materials	Take, pour and trim study models, prepare set up for final impressions	Take and pour alginate impressions, trim, mount and articulate cast and models	Modern Dental Assisting 9 th Edition
1 st Marking Period			
Competencies			
Identify bones of the skull	HMS8329.009	Sciences of Dental Assisting	Handouts/charts/skull
Identify bones structure/compact/spongy	HMS8329.010	Sciences of Dental Assisting	Handouts/charts/skull
Describe gliding/hinge action of TMJ	HMS8239.011	Sciences of Dental Assisting	Handouts/charts/skull
Identify major muscles of mastication	HMS8239.012	Sciences of Dental Assisting	Handouts/charts/overhead projector

Identify veins and arteries of the face	HMS8239.013	Demonstrate knowledge of the blood supply of the head and neck	Handouts/charts/overhead projector	
Identify landmarks of the oral cavity	HMS8329.014	Demonstrate knowledge of the landmarks of the face and oral cavity	Handouts/charts/overhead projector	
Identify salivary glands and their ducts	HMS8329.015	Name the functions of the salivary glands	Handouts/charts/overhead projector	
2nd Marking Period				
Pour and trim diagnostic cast	HMS8329.076	Take and pour alginate impressions, trim, mount and articulate cast and models	Mannequins/videos/ hands on practice	
Take alginate impressions for diagnostic cast	HMS8329.076	Take and pour alginate impressions, trim, mount and articulate cast and models	Mannequins/videos/ hands on practice	
Explain the Histology of Dentition	HMS8239.017	Describe the parts of the tooth, functions and landmarks	Mannequins/videos/ hands on practice	
Explain specialized function of 4 types of teeth	HMS8239.018	Describe the parts of the tooth, functions and landmarks	Charts/videos/transparencies/cast models	
Gather personal information	HMS8329.030	Obtain, update and maintain current documentation of patient history, status and care	Charts/patients/handouts	
Update medical and dental history	HMS8329.031	Measure and record vital signs	Charts/patients/handouts	
Chart initial findings	HMS8329.033	Chart oral conditions as dictated by dentist	Charts/patients/handouts	
2 nd Marking Period				
Chapter 32 The Dental Office			Treatment area/videos/Textbook	
Chapter 33 Delivering Dental Care		Prepare and assist with various dental procedures, maintain clear field of vision for dental procedures	Treatment area/videos/Textbook	
Chapter 28 Oral Diagnosis Treatment Plan		Chart oral conditions as dictated by dentist	Treatment area/videos/Textbook	
3rd Marking Period				
Chapter 29 Principles of Pharmacology			Syringes/handouts/textbook	
Chapter 34 Dental Hand Instruments		Demonstrate instrument and material transfer	Instruments	
Chapter 35 Dental Handpieces/Accessories		Identify various handpieces and associated rotary instruments	Handpieces/Textbook/handouts	
Chapter 36 Moisture Control		Prepare and assist with application and removal of dental dam	Treatment area/mannequins/videos/Textbooks	
Chapter 37 Anesthesia and Pain Control		Prepare and assist w/administration of local and topical anesthesia	Mannequins/anesthesia	
Chapter 47 Laboratory materials/Procedures		Fabricate provisional's/temporaries for crown and bridge (C&B)	Mannequins, stone, trays/trimmers/videos	

4th Marking Period			
Chapter 19 Disease Trans./Infection Control		Monitor and process infection control transmission in laboratory, clinic, darkroom and sterilization area	Treatment area/Textbook/videos
Chapter 20 Principles/Techniques Disinfect		Maintain personal safety and hygiene according to CDC and OSHA guidelines	Treatment area/Textbook/videos
Chapter 21 Principles of Sterilization		Maintain personal safety and hygiene according to CDC and OSHA guidelines	Autoclave/instruments/videos
Chapter 22 regulatory Advisory Agencies			Textbook
Chapter 23 Chemical waste Management		Dispose of waste and hazardous materials in compliance with federal regulations	Textbook
Chapter 24 Dental Unit Waterlines			Textbook
Competencies			
Maintain Dental Handpieces	HMS8329.019	Assisting in Clinical Procedures	Handpieces/treatment area/textbook
Clean and disinfect equipment and solutions	HMS8329.022	Infection Control Hazard	Solutions/videos/lab area
Maintain dental sterilization equipment	HMS8329.023	Infection Control Hazard	Solutions/videos/lab area
Maintain evacuation system	HMS8329.024	Infection Control Hazard	Solutions/videos/lab area
Maintain auxiliary equipment	HMS8329.025	Infection Control Hazard	Solutions/videos/lab area
Describe Disease's transmitted in an office	HMS8329.026	Infection Control Hazard	Textbook/research computer/videos
Comply w/ State Regs regarding Infec control	HMS8329.027	Infection Control Hazard	Textbook/research computer/videos
Maintain aseptic in dental area/steril tech	HMS8329.029	Infection Control Hazard	Autoclave/lab area/Textbook/videos
Explain Pharmacology terms	HMS8329.040	Assisting in clinical procedures	Textbook/needles/syringes/carpules
Describe signs/. symptoms of drug abuse	HMS8329.042	Assisting in clinical procedures	Textbook
Explain major routes of drug administration	HMS8329.043	Assisting in clinical procedures	Textbook
Explain types of anesthesia in Dentistry	HMS8329.045	Assisting in clinical procedures	Anesthesia/Textbook/handouts/charts/pt.
Seat and position patient	HMS8329.058	Assisting in clinical procedures	Patients/lab area/Textbooks/videos
Dismiss patients	HMS8329.059	Assisting in clinical procedures	Patients/lab area/Textbooks/videos
Pass and retrieve instruments	HMS8329.060	Assisting in clinical procedures	Instruments/lab area/Textbook
Maintain clear field of vision	HMS8329.061	Assisting in clinical procedures	Dental unit/HVE/PT/Textbook/video
Perform oral evacuation	HMS8329.062	Assisting in clinical procedures	Dental unit/HVE/PT/Textbook/video
Prepare basic operatory setup	HMS8329.063	Assisting in clinical procedures	Operatory/Textbook
Prepare dental dam equipment	HMS8329.064	Assisting in clinical procedures	Mannequin/dental dam/Textbook/video
Prepare amalgam tray materials for proced.	HMS8329.065	Assisting in clinical procedures	Instruments/handouts
Prepare composite tray setup	HMS8329.066	Assisting in clinical procedures	Instruments/handouts
Perform preventive dentistry treatment	HMS8329.073	Assisting in clinical procedures	Videos/textbook/handout
Pour/trim diagnostic cast	HMS8329.076	Performing diagnostic models	Lab/mannequins/handouts/Textbook/stone

Prepare lab prescription	HMS8329.077	Assisting in clinical procedures	Prescription/Textbook/handouts
Fabricate custom tray	HMS8329.078	Performing diagnostic models	Triad/materials/cast models/Textbook
Fabricate temporary crown	HMS8329.079	Performing diagnostic models	Cast models/ patient/materials
Greet patient	HMS8329.081	Assisting in clinical procedures	Patient/operator/Textbook/video