

NBC

National Board for Certification in
Dental Laboratory Technology



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Growth and Development
Identify deciduous and permanent dentition
Identify the order of tooth eruption
Identify classes of occlusion (class I,II and III)
Identify the types of malocclusion
Identify the types of tooth movement
Orthodontic Treatment & Appliances
Differentiate between dental and skeletal treatments
Categorize types of appliances (passive, active, functional)
Recognize contraindications for materials/case design
Recommend orthodontic appliance design
Reset teeth in the cast for proper alignment
Identify therapy appliances and related federal regulatory requirements (e.g., orthodontic, splints, guards, deprogrammers, sleep apnea)
Identify and manufacture study casts
Wire Components and Auxiliaries
Identify principles of bending wire
Identify and manufacture types of clasps
Identify functions and uses of clasps
Identify and manufacture springs
Identify and place screws
Identify and use coil spring (open & closed)
Identify and manufacture labial bows
Identify and use components (bands, crowns, etc.)
Embed components in acrylics
Understand application of wire bending tools
Acrylics, Composites, Plastics
Utilize vacuum/pressure formed materials
Apply acrylic using the sprinkle technique
Apply acrylic using the dough pack technique (cold cured)
Identify and utilize light cured materials
Identify and utilize heat cured materials
Finish and polish appliances

2016 Job Task Outline for Certified Dental Technician Orthodontics Examination
For NBC Examinations beginning January 1, 2017

Perform acrylic repair
Soldering and Welding
Identify components of the soldering process (e.g., flux, solder, anti-flux)
Solder an appliance
Weld an appliance
Finishing and polishing of weld/solder work
Perform metal repair
Selection and Application of Materials and Equipment for Orthodontics
Identify and utilize finishing instruments and equipment
Identify and utilize vacuum/pressure forming equipment
Identify properties and application of gypsum products
Understand application of separating mediums
Identify properties and application of waxes
Understand applications of abrasives and polishing agents
Understand safety protocol for use and storage of hazardous materials
Identify the use of instruments and equipment unique to Orthodontics