

NBC

National Board for Certification in
Dental Laboratory Technology



This outline is intended solely for use of candidates interested in seeking certification with the National Board for Certification in Dental Laboratory Technology. NBC reserves the right to amend the information contained in this document. This outline was last revised in June of 2016.

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Growth and Development <i>(11 - 13% of written exam questions are from this domain)</i>
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 <i>(16 - 18% of written exam questions are from this domain)</i>
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 <i>(21 - 23% of written exam questions are from this domain)</i>
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 <i>(14 - 16% of written exam questions are from this domain)</i>
Utilize vacuum/pressure formed materials
Apply acrylic using the sprinkle technique

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

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
Perform acrylic repair
Soldering and Welding <i>(14 - 16% of written exam questions are from this domain)</i>
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 <i>(16 - 18% of written exam questions are from this domain)</i>
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