



Western Technical College

10508121 EFDA Dental Procedures

Course Outcome Summary

Course Information

Description	Learn how to perform the placement and finishing of restorative materials after the dentist prepares a tooth for restoration. Includes the application of sealants and temporizations.
Career Cluster	Health Science
Instructional Level	Technical Diploma Courses
Total Credits	3
Total Hours	72

Pre/Corequisites

Pre/Corequisite	10-508-101/31-508-301 Dental Health Safety
Pre/Corequisite	10/508-304/31-508-304 Dental and General Anatomy

Course Competencies

1. Apply sealants

Assessment Strategies

- 1.1. Skill Demonstration

Criteria

- 1.1. identify the structures of the oral cavity
- 1.2. identify the tooth structure
- 1.3. assess the supporting structure of the teeth (gingiva)
- 1.4. observe the oral pathologies impacting dental health and treatment
- 1.5. implement treatment based on dental prescription
- 1.6. follow safety and infection control protocol
- 1.7. retract the tongue, cheeks and lips using mouth mirror, HVE tip, isolation aides, or adjunctive mechanisms
- 1.8. evacuate fluids and debris using HVE and/or saliva ejector

- 1.9. isolate oral cavity
- 1.10. select the correct armamentarium
- 1.11. don personal protective equipment
- 1.12. prepare the patient with protective equipment
- 1.13. position yourself and patient correctly to maintain proper ergonomics
- 1.14. perform all critical steps in an appropriate sequence
- 1.15. prepare patient with protective equipment
- 1.16. provide pre and post operative instructions to patient
- 1.17. document procedure on patient record

2. Isolate the operating field

Assessment Strategies

- 2.1. Skill Demonstration

Criteria

- 2.1. select and utilize the correct armamentarium
- 2.2. position yourself and patient correctly to maintain proper ergonomics
- 2.3. anticipate procedural steps
- 2.4. perform all steps in an appropriate sequence
- 2.5. retract the tongue, cheeks and lips using mouth mirror, HVE tip, isolation aides, or adjunctive mechanisms
- 2.6. evacuate fluids and debris using HVE and/or saliva ejector
- 2.7. identify the structures of the oral cavity
- 2.8. isolate oral cavity
- 2.9. remove the isolation materials
- 2.10. employ safety precautions
- 2.11. maintain infection control protocol
- 2.12. don personal protective equipment
- 2.13. prepare patient with protective equipment

3. Complete placement and finish for an amalgam restoration for deciduous teeth

Assessment Strategies

- 3.1. Skill Demonstration

Criteria

- 3.1. select correct armamentarium
- 3.2. don personal protective equipment
- 3.3. position yourself and patient correctly to maintain proper ergonomics
- 3.4. perform all steps in an appropriate sequence
- 3.5. employ safety precautions
- 3.6. demonstrate approach, delivery, and retrieval of instruments
- 3.7. place matrix system
- 3.8. ensure moisture control and non-contamination of the cavity preparation during the procedure
- 3.9. demonstrate trituration of amalgam
- 3.10. place, condense and carve restoration
- 3.11. evaluate restoration according to established criteria
- 3.12. evaluate and adjust occlusion
- 3.13. dispose of amalgam waste properly
- 3.14. maintain infection control protocol
- 3.15. prepare patient with protective equipment
- 3.16. provide pre and post operative instructions to patient
- 3.17. document procedure on patient record

4. Complete placement and finish for an amalgam restoration for permanent teeth

Assessment Strategies

- 4.1. Skill Demonstration

Criteria

- 4.1. select correct armamentarium
- 4.2. position yourself and patient correctly to maintain proper ergonomics
- 4.3. perform all steps in an appropriate sequence

- 4.4. employ safety precautions
- 4.5. demonstrate approach, delivery, and retrieval of instruments
- 4.6. place matrix system
- 4.7. ensure moisture control and non-contamination of the cavity preparation during the procedure
- 4.8. demonstrate trituration of amalgam
- 4.9. place, condense and carve restoration
- 4.10. evaluate restoration according to established criteria
- 4.11. evaluate and adjust occlusion
- 4.12. dispose of amalgam waste properly
- 4.13. maintain infection control protocol
- 4.14. prepare patient with protective equipment
- 4.15. provide pre and post operative instructions to patient
- 4.16. document procedure on patient record

5. Complete placement and finish for a composite/resin restoration of an anterior and posterior permanent tooth

Assessment Strategies

- 5.1. Skill Demonstration

Criteria

- 5.1. select correct armamentarium
- 5.2. position yourself and patient correctly to maintain proper ergonomics
- 5.3. perform all steps in an appropriate sequence
- 5.4. employ safety precautions
- 5.5. demonstrate approach, delivery, and retrieval of instruments
- 5.6. place matrix system
- 5.7. ensure moisture control and non-contamination of the cavity preparation during the procedure
- 5.8. select and apply dental materials
- 5.9. place, condense and cure restoration
- 5.10. evaluate restoration according to established criteria
- 5.11. evaluate and adjust occlusion
- 5.12. finish and polish the restoration
- 5.13. maintain infection control protocol
- 5.14. prepare patient with protective equipment
- 5.15. provide pre and post operative instructions to patient
- 5.16. document procedure on patient record

6. Complete placement and finish for a composite/resin restoration of an anterior and posterior deciduous tooth

Assessment Strategies

- 6.1. Skill Demonstration

Criteria

- 6.1. select correct armamentarium
- 6.2. position yourself and patient correctly to maintain proper ergonomics
- 6.3. perform all steps in an appropriate sequence
- 6.4. employ safety precautions
- 6.5. demonstrate approach, delivery, and retrieval of instruments
- 6.6. place matrix system
- 6.7. ensure moisture control and non-contamination of the cavity preparation during the procedure
- 6.8. select and apply dental materials
- 6.9. place, condense and cure restoration
- 6.10. finish and polish the restoration
- 6.11. evaluate restoration according to established criteria
- 6.12. evaluate and adjust occlusion
- 6.13. maintain infection control protocol
- 6.14. prepare patient with protective equipment
- 6.15. provide pre and post operative instructions to patient
- 6.16. document procedure on patient record

7. Perform placement and finish for glass ionomer restoration

Assessment Strategies

7.1. Skill Demonstration

Criteria

- 7.1. select correct armamentarium
- 7.2. position yourself and patient correctly to maintain proper ergonomics
- 7.3. perform all steps in an appropriate sequence
- 7.4. employ safety precautions
- 7.5. demonstrate approach, delivery, and retrieval of instruments
- 7.6. place matrix system
- 7.7. ensure moisture control and non-contamination of the cavity preparation during the procedure
- 7.8. select, prepare, and apply dental materials
- 7.9. place and cure restoration
- 7.10. finish and polish the restoration
- 7.11. evaluate restoration according to established criteria
- 7.12. evaluate and adjust occlusion
- 7.13. maintain infection control protocol
- 7.14. prepare patient with protective equipment
- 7.15. provide pre and post operative instructions to patient
- 7.16. document procedure on patient record

8. Perform placement and finish for temporary restoration

Assessment Strategies

8.1. Skill Demonstration

Criteria

- 8.1. select correct armamentarium
- 8.2. position yourself and patient correctly to maintain proper ergonomics
- 8.3. perform all steps in an appropriate sequence
- 8.4. employ safety precautions
- 8.5. demonstrate approach, delivery, and retrieval of instruments
- 8.6. ensure moisture control and non-contamination of the cavity preparation during the procedure
- 8.7. select and apply dental materials
- 8.8. place and condense restoration
- 8.9. evaluate restoration according to established criteria
- 8.10. evaluate and adjust occlusion
- 8.11. maintain infection control protocol
- 8.12. prepare patient with protective equipment
- 8.13. provide pre and post operative instructions to patient
- 8.14. document procedure on patient record

9. Perform selection, fit and placement of preformed stainless-steel crown

Assessment Strategies

9.1. Skill Demonstration

Criteria

- 9.1. select correct armamentarium
- 9.2. position yourself and patient correctly to maintain proper ergonomics
- 9.3. perform all steps in an appropriate sequence
- 9.4. employ safety precautions
- 9.5. demonstrate approach, delivery, and retrieval of instruments
- 9.6. select appropriate crown
- 9.7. ensure moisture control and non-contamination of the working tooth during the procedure
- 9.8. utilize appropriate instruments to adapt crown to margin
- 9.9. cement temporary crown
- 9.10. remove cement using appropriate instruments and instrumentation techniques
- 9.11. check interproximal contact with floss
- 9.12. follow manufacturer's instructions for each material type
- 9.13. evaluate and adjust occlusion
- 9.14. maintain infection control protocol

- 9.15. prepare patient with protective equipment
- 9.16. provide pre and post operative instructions to patient
- 9.17. document procedure on patient record

10. Perform selection, fit and placement of a stainless-steel crown for deciduous teeth

Assessment Strategies

- 10.1. Skill Demonstration

Criteria

- 10.1. select correct armamentarium
- 10.2. position yourself and patient correctly to maintain proper ergonomics
- 10.3. perform all steps in an appropriate sequence
- 10.4. employ safety precautions
- 10.5. demonstrate approach, delivery, and retrieval of instruments
- 10.6. select appropriate crown
- 10.7. ensure moisture control and non-contamination of the working tooth during the procedure
- 10.8. utilize appropriate instruments to adapt crown to margin
- 10.9. cement crown
- 10.10. remove cement using appropriate instruments and instrumentation techniques
- 10.11. check interproximal contact with floss
- 10.12. follow manufacturer's instructions for each material type
- 10.13. evaluate and adjust occlusion
- 10.14. maintain infection control protocol
- 10.15. prepare patient with protective equipment
- 10.16. provide pre and post operative instructions to guardian and patient
- 10.17. document procedure on patient record

11. Perform fabrication, fit, and placement of a custom provisional crown

Assessment Strategies

- 11.1. Skill Demonstration

Criteria

- 11.1. select correct armamentarium
- 11.2. position yourself and patient correctly to maintain proper ergonomics
- 11.3. perform all steps in an appropriate sequence
- 11.4. employ safety precautions
- 11.5. demonstrate approach, delivery, and retrieval of instruments
- 11.6. take a preliminary impression
- 11.7. fabricate the provisional crown
- 11.8. ensure moisture control and non-contamination of the working tooth during the procedure
- 11.9. evaluate and adjust crown
- 11.10. cement crown
- 11.11. remove temporary cement using appropriate instruments and instrumentation techniques
- 11.12. check interproximal contact with floss
- 11.13. follow manufacturer's instructions for each material type
- 11.14. maintain infection control protocol
- 11.15. prepare patient with protective equipment
- 11.16. provide pre and post operative instructions to patient
- 11.17. document procedure on patient record