

# Dental Instrument/Equipment

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## Objective/Rationale

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Dentists use specialized tools and instruments to care for teeth. Students will identify the tools they will use in their careers.

TEKS 121.4 (c) 13 A; 16 A, B  
121.5 (c) 6F, 7A, 7C, 7D

TAKS ELA 1

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## Key Points

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Instrument Identification PowerPoint Presentation

### I. Dental Equipment

#### A. Dental Chair

1. Body includes the backrest, seat and leg support
2. Armrest - may be movable
3. Headrest – supports the patients head – is movable
4. Control panel – on the side or back of the chair – foot pedals are attached to the base of the chair or rest on the floor
5. Swivel lever – allows the chair to rotate

#### B. Dental Unit

1. Master Switch
  - a. Water and air
  - b. Handpiece
2. Dental handpiece with burs or drills
  - a. High speed
  - b. Slow speed
3. Foot control
4. Air/water syringe
5. Oral evacuation – aspirates saliva and drainage

#### C. Operational Light

#### D. Mobile Carts or Cabinets

#### E. Operatory Stools

#### F. Radiology Machine – Used to take X-rays

### II. Instruments

#### A. Mouth Mirror

#### B. Forceps-Cotton

#### C. Explorer

#### D. Periodontal Probe

#### E. Bite Blocks

#### F. Root Canal Spreader

- G. Tray-Fluoride Gel
- H. Maxillary Extraction Forceps
- I. Bone File
- J. Amalgam Carrier
- K. Amalgam Plugger
- L. Amalgam Well
- M. Amalgam Carver—Cleoid-Discoid
- N. Burnisher
- O. Black's Excavator
- P. Scaler-Hygeine
- Q. Rubber Dam
- R. Rubber Dam Punch
- S. Needle Holder
- T. Hemostat--curved
- U. Syringe-Aspirating
- V. Nose Cone—Low Speed—Straight Handpiece (HP)
- W. Contra Angle Attachment—Low Speed—Straight HP

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### Activities

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- I. Identify dental instruments.

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### Materials / Resources

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Power Point presentation of tools  
HOSA Dental Assistant Guidelines for identifying the instruments  
Visit a dentist office or invite a dentist or hygienist to speak to the students in class

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### Assessment

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Successful identification of dental instruments

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### Accommodations

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For reinforcement, the student will list and describe instruments used in dentistry.

For enrichment, the students will research and report on the individuals for whom some of the instruments were named.

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### Reflections

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