





(4) To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students should recognize that quality health care depends on the ability to work well with others.

(5) The health science industry is comprised of diagnostic, therapeutic, health informatics, support services, and biotechnology research and development systems

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- (B) explain and demonstrate the steps required for inspection of instruments and equipment;
  - (C) describe and demonstrate proper sterilization packaging and techniques;
  - (D) describe accepted storage of instruments and delivery protocols; and
  - (E) describe a quality assurance program.
- (4) The student assembles tray setups and materials for designated general and specialty procedures. The student is expected to:
- (A) explain and demonstrate the grasps, positions, and transfer of instruments for a given procedure with emphasis on asepsis;
  - (B) distinguish the parts of an instrument and describe how instruments are identified;
  - (C) identify the categories and functions of dental burs and diamonds;
  - (D) classify the types and functions of abrasives;
  - (E) determine the various types of handpieces and attachments; and
  - (F) explain the types of tray systems.

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- (A) describe and apply appropriate verbal and non-verbal communication skills when providing patient care;
  - (B) demonstrate methods for calming a patient who shows signs of anxiety;
  - (G) demonstrate the “tell-show-do” approach and explain when this approach would be used;
  - (H) explain the adaptations needed to care for the various needs of patients such as patients who are children, older adults, pregnant, hearing-impaired, blind, and whose mobility is limited by a wheelchair or walker;
  - (I) describe the dental office design;
  - (J) identify equipment found in a dental operator and explain and demonstrate how each piece of equipment functions;
  - (K) explain and demonstrate preventive maintenance of the operator and equipment;
  - (L) explain and demonstrate the concepts of dental assisting with emphasis on the activity zones (clock position) and classifications of motions;
  - (M) explain and demonstrate the proper preparation of the treatment area;
  - (N) roleplay the seating and dismissal of the patient from the treatment area;
  - (O) explain the factors which must be considered when selecting operator, assistant, and patient positions; and
  - (P) roleplay the working positions of the dental health care team when using equipment during dental procedures.
- (6)



