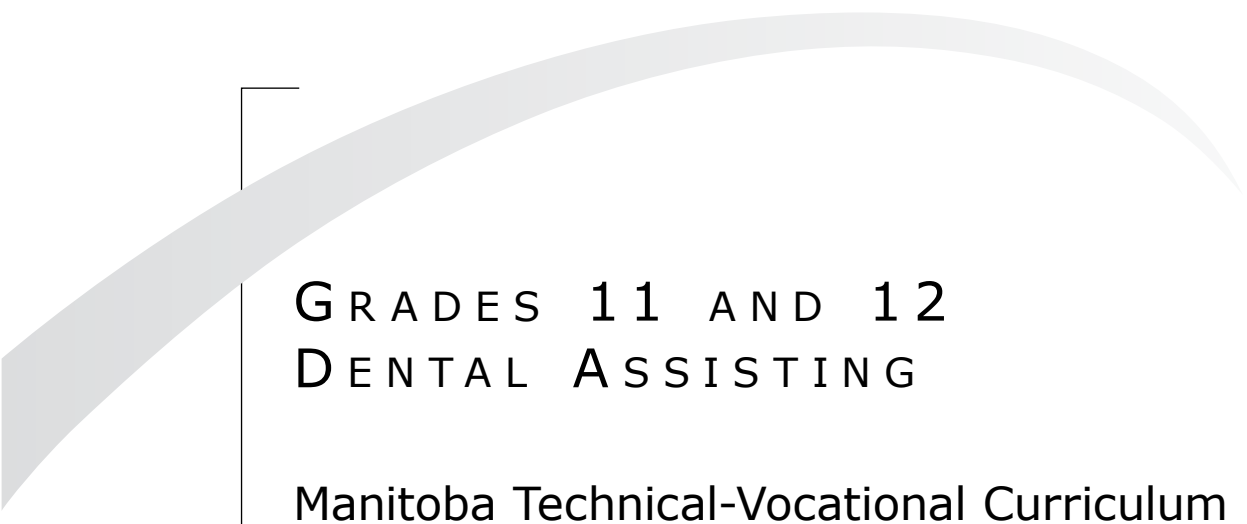




# **Grades 11 and 12 Dental Assisting**

Manitoba Technical-Vocational  
Curriculum Framework  
of Outcomes





GRADES 11 AND 12  
DENTAL ASSISTING

Manitoba Technical-Vocational Curriculum  
Framework of Outcomes

Manitoba Education and Advanced Learning Cataloguing in Publication Data

Grades 11 and 12 dental assisting [electronic resource] :  
Manitoba technical-vocational curriculum framework  
of outcomes

Includes bibliographical references.

ISBN: 978-0-7711-5682-3

1. Dental assistants—Vocational guidance.
  2. Dental care—Study and teaching (Secondary)—Manitoba.
  3. Technical education—Manitoba—Curricula.
  4. Vocational education—Manitoba—Curricula.
- I. Manitoba. Manitoba Education and Advanced Learning.  
617.600712

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Manitoba Education and Advanced Learning  
School Programs Division  
Winnipeg, Manitoba, Canada

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Learning website at <[www.edu.gov.mb.ca/k12/cur/teched/sy\\_tech\\_  
program.html](http://www.edu.gov.mb.ca/k12/cur/teched/sy_tech_program.html)>.

Available in alternate formats upon request.

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## ACKNOWLEDGEMENTS

Manitoba Education and Advanced Learning gratefully acknowledges the contributions of the following individuals in the development of *Grades 11 and 12 Dental Assisting: Manitoba Technical-Vocational Curriculum Framework of Outcomes*.

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# TECHNICAL-VOCATIONAL EDUCATION OVERVIEW

In 2013, Manitoba Education released the document *Technical-Vocational Education Overview* to provide the philosophical and pedagogical underpinnings for curriculum development and the teaching of courses in the Senior Years Technology Education Program. This overview presents educators with the vision and goals of technical-vocational education (TVE) in Manitoba.

Topics include the following:

- curriculum revitalization and renewal
- curriculum framework and implementation
- articulation of programming
- assessment and reporting
- safety
- employability/essential skills and career development
- sustainable development

The TVE curriculum includes courses in a variety of areas, including dental assisting.

# DENTAL ASSISTING OVERVIEW

## Introduction

*Grades 11 and 12 Dental Assisting: Manitoba Technical-Vocational Curriculum Framework of Outcomes* identifies the goals, general learning outcomes (GLOs), and specific learning outcomes (SLOs) for eight dental assisting courses. This framework is intended for use in all Manitoba schools teaching dental assisting courses as part of the Senior Years Technology Education Program.

## Curriculum Description

This curriculum is intended for students pursuing a career in the dental assisting profession. Students who complete this curriculum can apply to certify as Level II Dental Assistants.

In the dental assisting curriculum, students focus on theoretical principles and their practical applications. Most courses include learning outcomes related to

- the operation, maintenance, handling, and storage of equipment and instruments
- the safe and appropriate handling and storage of materials and consumable items
- providing assistance during dental procedures
- providing dental services to patients

Learning outcomes dealing with the following topics are also integrated into most of the dental assisting courses:

- health and safety practices
- sustainability
- ethical and legal standards
- employability skills
- working conditions and career opportunities
- the evolution of the dental profession, including its technological progression and emerging trends

Cross-curricular learning outcomes from a variety of subject areas are to be integrated into the authentic learning activities of the dental assisting courses. These include, but are not limited to, learning outcomes from the following subject areas: mathematics, science (human anatomy and physiology, human histology, communications, pharmacology, nutrition, chemistry, and microbiology), physical education/health education, and information and communication technology.

In the TVE curriculum, the emphasis is on practical applications. For instructional purposes, the sequence of learning outcomes and the learning outcomes included in each unit of study can vary, based on the learning activities within a course.

## The Dental Assisting Profession

Grades 11 and 12 dental assisting courses are designed to prepare students for the dental assisting profession, which requires its practitioners to demonstrate a broad range of knowledge and challenging skills.

In this curriculum, students will learn about dental procedures, four-handed dentistry, manipulation of dental materials, sterilization and laboratory procedures, and care of dental equipment. Students will develop the skills they need for a variety of intraoral procedures, including

- polishing of teeth
- application of fluoride
- placement and removal of dental dams
- placement of sealants
- exposure of dental radiographs/imaging
- taking of impressions
- placement of matrices and wedges
- removal of sutures
- application of liners, bases, topical anaesthetic, and desensitizing agents

Students will also study the importance of effective communication and business-related procedures (manual and electronic), including basic accounting, records maintenance, business correspondence, billing, and appointment control. A psychology course would help prepare students to develop a better understanding of patients' needs.

The dental assisting courses include supervised work experience.

Students who complete the dental assisting courses will be eligible to write the examination offered by the National Dental Assisting Examining Board and register with the Manitoba Dental Association.

Graduates of an accredited dental assisting program will be eligible to participate in the [Orthodontic Module](#) offered by Red River College through its continuing education programs.

Teachers are encouraged to review the registration requirements for Level II Dental Assistants in Manitoba on the following websites:

- Manitoba Dental Association  
<[www.manitobadentist.ca/](http://www.manitobadentist.ca/)>
- Manitoba Dental Assistants Association  
<[www.mdaa.ca/](http://www.mdaa.ca/)>

## Dental Assisting Goals and General Learning Outcomes (GLOs)

The specific learning outcomes for the dental assisting courses are based on the following curriculum goals and general learning outcomes (GLOs). **Please note that some dental assisting courses do not address all these goals and GLOs.**

---

**Goal 1:** Describe and apply appropriate **health and safety** practices as they relate to dental assisting.

**GLO 1.1:** Describe and apply appropriate **health and safety** practices.

**GLO 1.2:** Create and maintain a **safe working environment**.

---

**Goal 2:** Demonstrate the safe and appropriate **operation, maintenance, handling, and storage** of **equipment, instruments, materials, and consumable items**.

**GLO 2.1:** Demonstrate the safe and appropriate **operation, maintenance, and storage** of **equipment and instruments**.

**GLO 2.2:** Demonstrate the safe and appropriate **handling and storage** of **materials and consumable items**.

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**Goal 3:** Demonstrate the ability to **assist** the operator when providing oral health care services.

**GLO 3.1:** Describe and demonstrate the dental assistant's role when **assisting** the operator with various procedures.

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**Goal 4:** Demonstrate the ability to **provide** oral health care services for patients.

**GLO 4.1:** Describe and demonstrate the dental assistant's role when **providing** oral health care services.

---

**Goal 5:** Demonstrate an understanding of **career opportunities** in the dental profession.

**GLO 5.1:** Describe **post-secondary education and employment opportunities** in dental assisting and related professions.

---

**Goal 6:** Describe and demonstrate transferable **cross-curricular knowledge and skills** as they relate to dental assisting.

**GLO 6.1:** **Read, interpret, and communicate information** related to dental assisting.

**GLO 6.2:** Demonstrate knowledge and skills related to **mathematics** used in dental assisting.

**GLO 6.3:** Demonstrate knowledge and skills related to **anatomy and physiology** used in dental assisting.

**GLO 6.4:** Demonstrate knowledge and skills related to **other subject areas** (science, physical education/health education, information and communication technology) used in dental assisting.

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**Goal 7:** Demonstrate awareness of **sustainability** as it pertains to dentistry.

**GLO 7.1:** Describe the impact of **sustainability** on the **health and well-being** of dental assistants and their patients.

**GLO 7.2:** Describe the dental industry's **sustainability practices** and their **impact on the environment**.

**GLO 7.3:** Describe **sustainable business practices** within the dental industry.

---

**Goal 8:** Demonstrate **ethical and legal standards** as they pertain to the dental profession.

**GLO 8.1:** Practise **ethical and legal standards** as they pertain to dental assisting.

---

**Goal 9:** Demonstrate **employability skills** related to dental assisting.

**GLO 9.1:** Demonstrate **fundamental employability skills**.

**GLO 9.2:** Demonstrate **teamwork skills**.

**GLO 9.3:** Demonstrate **personal management skills**.

**GLO 9.4:** Demonstrate an understanding of the **business operation** of a dental office.

---

**Goal 10:** Demonstrate an understanding of the **evolution** of the dental profession, including its **technological progression** and **emerging trends**.

**GLO 10.1:** Describe the **evolution** of the dental profession, including its **technological progression** and **emerging trends**.

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## Specific Learning Outcomes (SLOs)

*Grades 11 and 12 Dental Assisting: Manitoba Technical-Vocational Curriculum Framework of Outcomes* identifies specific learning outcomes (SLOs) for use in all Manitoba schools teaching the Grades 11 and 12 dental assisting courses as part of the Senior Years Technology Education Program. SLO statements define what students are expected to achieve by the end of a course.

It is essential for students to learn and to demonstrate safety practices and employability skills; therefore, some SLOs related to safety and to employability skills are repeated in all the dental assisting courses.

Please note that SLOs are not identified for the goals and GLOs that are not addressed in a given course.

## Course Descriptions

Course titles, descriptions, and codes for the eight dental assisting courses follow. For an explanation of the codes, refer to the *Subject Table Handbook: Technology Education: Student Records System and Professional School Personnel System* (Manitoba Education and Advanced Learning). Each of the following dental assisting courses corresponds with one or more courses offered in the *Dental Assisting – Level II* program at Red River College.

### 8563 Introduction to Dental Assisting

30S/30E/30M

This course corresponds with the Red River College courses *Nutrition, Dental Anatomy, and Professional Development*. It deals with the

- importance of nutrition and its relation to general and dental health
- development and anomalies of primary and permanent dentition
- identification of primary and permanent dentition using tooth morphology and landmarks
- history, ethics, and jurisprudence of the dental profession
- roles and responsibilities of the dental team, with emphasis on the dental assistant

### 8564 Human Body Systems

30S/30E/30M

This theory-based course corresponds with the Red River College course *Life Sciences*. It deals with

- systems of the body, with emphasis on the head and neck
- the study of various lesions found in the oral cavity
- pharmacology, as it relates to dentistry

8593 Restorative Dentistry 30S/30E/30M

This course corresponds with the Red River College course *Operative Dentistry*. It deals with the

- formation and repair of dental decay
- roles and responsibilities of the dental assistant for restorative procedures
- manipulation of dental materials used in restorative dentistry
- process of fabricating mouthguards and whitening trays

8594 Dental Office Administration 30S/30E/30M

This course corresponds with the Red River College course *Communications*. It deals with

- effective interpersonal relations and written communication
- dental office management and dental software
- job-search skills
- the development and implementation of dental health presentations

8606 Intraoral Skills I 40S/40E/40M

This course corresponds with the Red River College courses *Moisture Control, Radiology, and Sealants*. It deals with

- moisture control techniques and their applications
- the principles and safety of dental radiography and digital imaging
- the process of exposing, processing, and mounting intraoral radiographs
- indications for and placement of sealant

8607 Intraoral Skills II 40S/40E/40M

This course corresponds with the Red River College courses *Polishing and Fluoride, Additional Skills, and Impressions*. It deals with

- the anatomy of the oral cavity, with emphasis on periodontal structures
- oral deposits and their removal
- rubber cup polishing and topical fluoride application
- patient education on oral hygiene techniques
- the placement of desensitizing agents, topical anaesthetic, bases, liners, matrix bands, and wedges, and the removal of sutures
- techniques used for preliminary alginate impressions

8608 Dental Specialties 40S/40E/40M

This course corresponds with the Red River College course *Dental Specialties*. It deals with the

- role of the dental assistant in periodontics, oral surgery, endodontics, prosthodontics, and orthodontics
- manipulation of dental materials used in dental specialties

8609 Introduction to Patient Care 40S/40E/40M

This course corresponds with the Red River College courses *Diagnosis, Patient Management, and Infection Control and Safety*. It deals with the

- techniques used during clinical examinations and diagnostic procedures
- documentation and charting of patient records
- role of the dental assistant in the management of patients with special needs and with dental and medical emergencies
- techniques used for obtaining vital signs
- foundations of microbiology and techniques to prevent the transmission of disease
- principles of the Workplace Hazardous Materials Information System

## Curriculum Implementation Dates

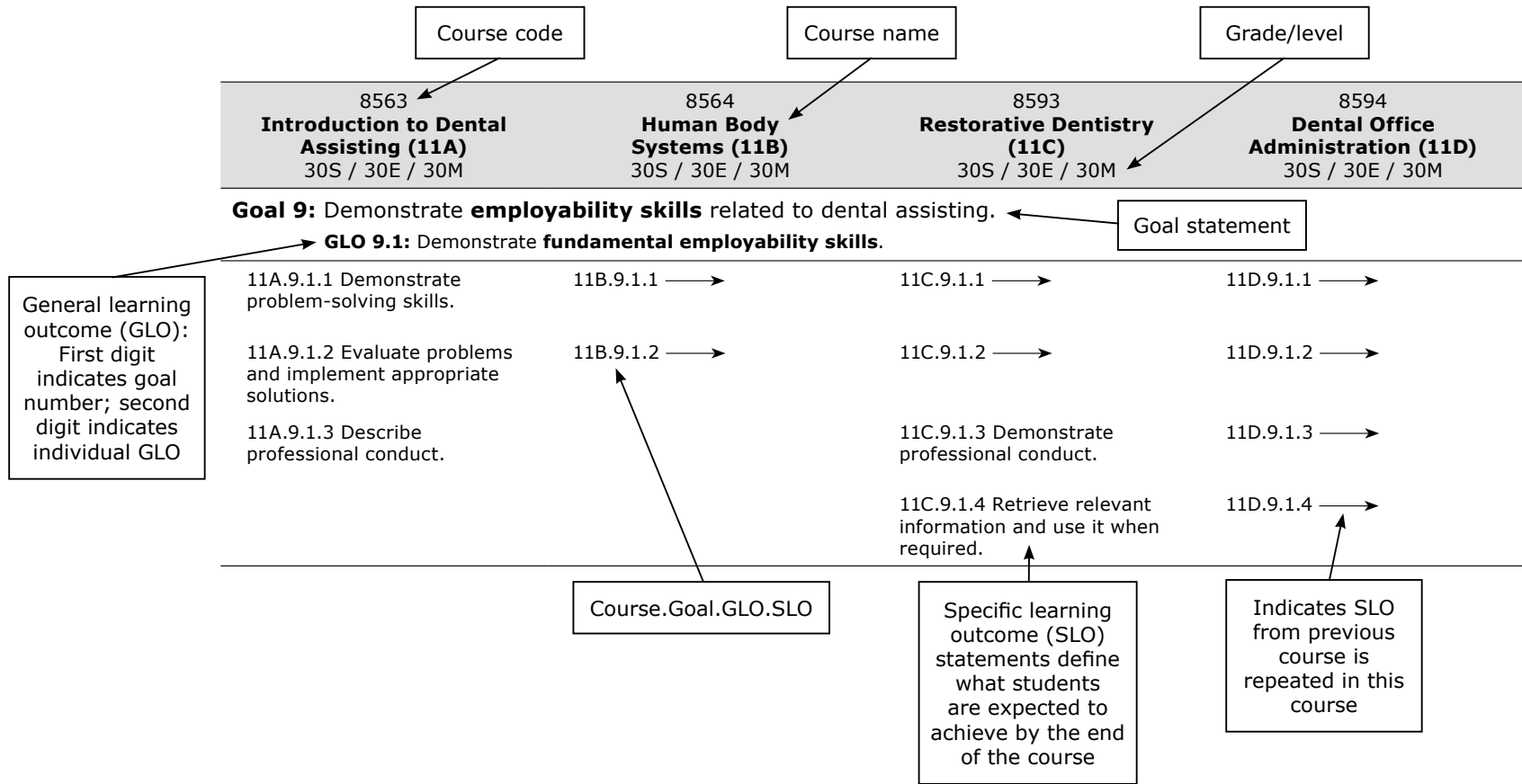
During **voluntary implementation**, teachers have the option of teaching the entire new draft curriculum as soon as Manitoba Education and Advanced Learning releases it on the *Technology Education* website. They also have the option of teaching the courses from the previous curriculum. Teachers who implement courses before system-wide implementation need to ensure that students who are already taking courses from the previous curriculum achieve all SLOs with a minimum of redundancy.

Voluntary implementation of all dental assisting courses began in the fall of 2013 and will continue until their respective system-wide implementation dates.

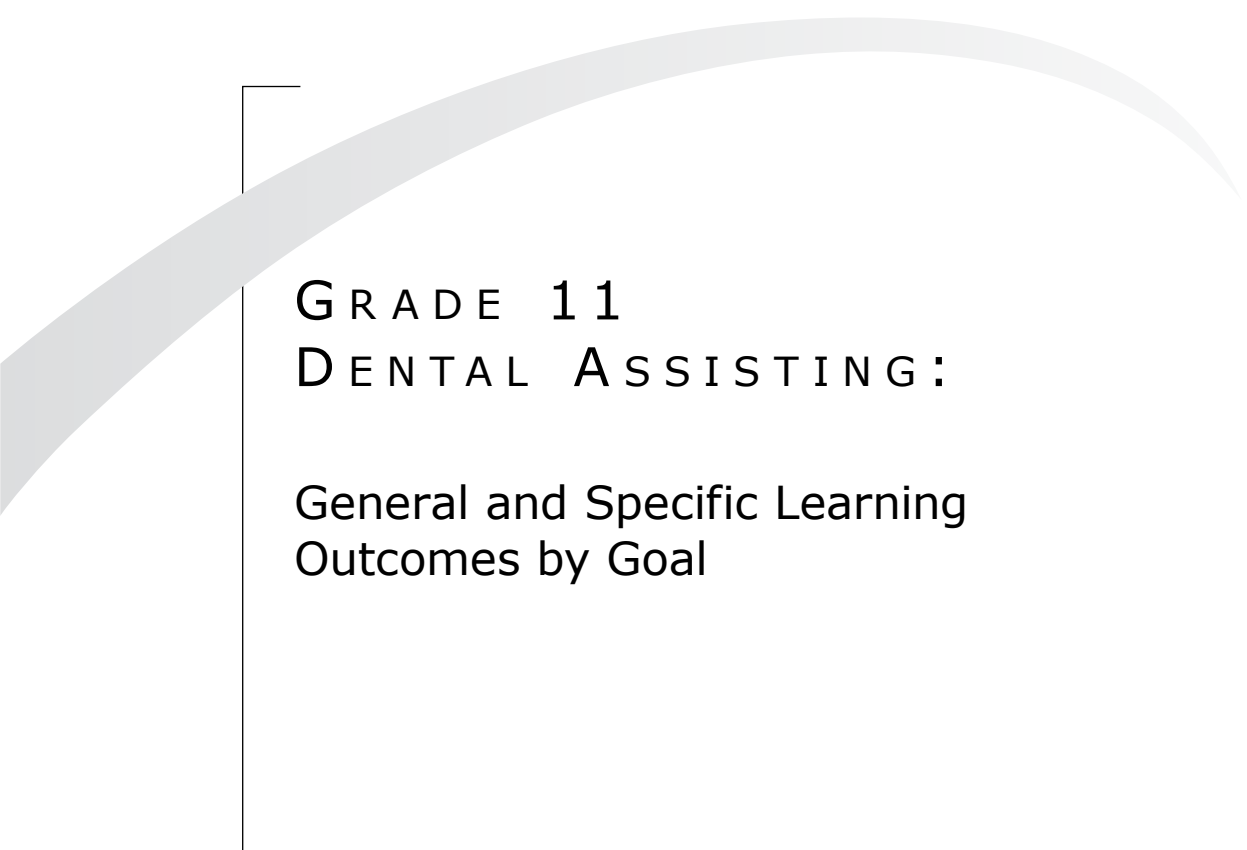
Date	System-Wide Implementation
Fall 2014	Grade 11
Fall 2015	Grade 12

Under **system-wide implementation**, all teachers in Manitoba teach the new curriculum and use the new course codes. Teachers will no longer be able to use the previous course codes. Course codes are found in the *Subject Table Handbook: Technology Education*.

# Guide to Reading Dental Assisting Goals and Learning Outcomes







GRADE 11  
DENTAL ASSISTING:

General and Specific Learning  
Outcomes by Goal



# GRADE 11 DENTAL ASSISTING: GENERAL AND SPECIFIC LEARNING OUTCOMES BY GOAL

8563 <b>Introduction to Dental Assisting (11A)</b> 30S / 30E / 30M	8564 <b>Human Body Systems (11B)</b> 30S / 30E / 30M	8593 <b>Restorative Dentistry (11C)</b> 30S / 30E / 30M	8594 <b>Dental Office Administration (11D)</b> 30S / 30E / 30M
------------------------------------------------------------------------------	----------------------------------------------------------------	-------------------------------------------------------------------	--------------------------------------------------------------------------

**Goal 1:** Describe and apply appropriate **health and safety** practices as they relate to dental assisting.

**GLO 1.1:** Describe and apply appropriate **health and safety** practices.

11A.1.1.1 Describe health and safety legislation, regulations, and standards.

11A.1.1.2 Recognize the value of first aid and cardiopulmonary resuscitation (CPR) in the dental office.

11C.1.1.1 Demonstrate an awareness of the principles of the Workplace Hazardous Materials Information System (WHMIS).

11C.1.1.2 Apply health and safety legislation, regulations, and standards.

11C.1.1.3 Use infection-control techniques and apply standard precautions to ensure patient and operator safety.

11C.1.1.4 Use pertinent personal and patient protection.

11C.1.1.5 Identify the injury-reporting process and the post-exposure protocol.

11C.1.1.6 Apply knowledge of first aid and cardiopulmonary resuscitation (CPR).

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**Goal 1:** Describe and apply appropriate **health and safety** practices as they relate to dental assisting. (*continued*)

**GLO 1.2:** Create and maintain a **safe working environment**.

<p>11A.1.2.1 Identify the process for reporting hazards in the workplace.</p> <p>11A.1.2.2 List the worker’s rights regarding knowledge of workplace hazards and safety precautions to be followed.</p> <p>11A.1.2.3 Demonstrate an understanding of the role of Manitoba’s <i>Workplace Safety and Health Act</i>.</p>	<p>11C.1.2.1 Identify and report hazards in the workplace.</p> <p>11C.1.2.2 Demonstrate the ability to follow safety information on supplier labels and on equipment.</p> <p>11C.1.2.3 Demonstrate knowledge of safety equipment, such as a fire extinguisher, a first aid kit, and an eyewash station.</p> <p>11C.1.2.4 Identify safety precautions to be followed when using equipment, instruments, and materials.</p> <p>11C.1.2.5 Follow safe practices and procedures for facilities, equipment, instruments, and materials used in the workplace.</p> <p>11C.1.2.6 Apply standard safety precautions for clinical procedures.</p> <p>11C.1.2.7 Demonstrate the disposal of sharps in a puncture-proof container with a biohazardous waste label.</p>	<p>11D.1.2.1 Identify safety precautions to be followed when handling equipment, instruments, and materials for inventory control.</p> <p>11D.1.2.2 —→</p> <p>11D.1.2.3 —→</p>
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8563 <b>Introduction to Dental Assisting (11A)</b> 30S / 30E / 30M	8564 <b>Human Body Systems (11B)</b> 30S / 30E / 30M	8593 <b>Restorative Dentistry (11C)</b> 30S / 30E / 30M	8594 <b>Dental Office Administration (11D)</b> 30S / 30E / 30M
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**Goal 2:** Demonstrate the safe and appropriate **operation, maintenance, handling, and storage of equipment, instruments, materials, and consumable items.**

**GLO 2.1:** Demonstrate the safe and appropriate **operation, maintenance, and storage of equipment and instruments.**

11A.2.1.1 Recognize the importance of the safe operation and maintenance of equipment and instruments in compliance with legal standards.

11C.2.1.1 Demonstrate the safe and appropriate operation, maintenance, and storage of equipment and instruments used in restorative dentistry.

11D.2.1.1 Demonstrate the appropriate operation and maintenance of dental office equipment.

11C.2.1.2 Demonstrate the use of various aids for moisture control.

11C.2.1.3 Demonstrate the maintenance and storage of high-speed and low-speed handpieces.

11C.2.1.4 Demonstrate the use, storage, and maintenance of a light-curing unit.

11C.2.1.5 Describe the use of sterilizers.

11C.2.1.6 Describe the use of lasers in dentistry and the safety precautions to be followed.

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**Goal 2:** Demonstrate the safe and appropriate **operation, maintenance, handling, and storage** of **equipment, instruments, materials, and consumable items.** *(continued)*

**GLO 2.2:** Demonstrate the safe and appropriate **handling and storage** of **materials and consumable items.**

11B.2.2.1 Describe the role of the dental assistant with regard to the storage, administration, and handling of drugs.

11C.2.2.1 Apply the manufacturers' instructions for the handling and storage of materials.

11D.2.2.1 Demonstrate the safe and appropriate operation, maintenance, and storage of office supplies.

11C.2.2.2 Demonstrate the safe handling of acrylates.

11C.2.2.3 Demonstrate the appropriate use of etchant to ensure patient safety.

11C.2.2.4 Describe the safe use of tooth-whitening agents.

11C.2.2.5 Demonstrate the appropriate storage of dental materials.

8563 <b>Introduction to Dental Assisting (11A)</b> 30S / 30E / 30M	8564 <b>Human Body Systems (11B)</b> 30S / 30E / 30M	8593 <b>Restorative Dentistry (11C)</b> 30S / 30E / 30M	8594 <b>Dental Office Administration (11D)</b> 30S / 30E / 30M
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**Goal 3:** Demonstrate the ability to **assist** the operator when providing oral health care services.

**GLO 3.1** Describe and demonstrate the dental assistant’s role when **assisting** the operator with various procedures.

11A.3.1.1 Describe the relationship between nutrition and oral health.

11C.3.1.1 Prepare a dental unit and assemble the armamentarium needed for a procedure.

11C.3.1.2 Demonstrate the procedure for greeting, seating, and dismissing a patient.

11C.3.1.3 Demonstrate the appropriate positioning of an operator, an assistant, and equipment, using operating zones.

11C.3.1.4 Apply the principles of four-handed dentistry while assisting an operator.

11C.3.1.5 Mix and manipulate materials required for a procedure.

11C.3.1.6 Identify and anticipate the operator’s needs during a procedure.

11C.3.1.7 Demonstrate the ability to assist with patients who have special needs.

11C.3.1.8 Describe various methods of administering anaesthesia.

11C.3.1.9 Demonstrate the preparation of local anaesthetics and assist with their application.

8563 <b>Introduction to Dental Assisting (11A)</b> 30S / 30E / 30M	8564 <b>Human Body Systems (11B)</b> 30S / 30E / 30M	8593 <b>Restorative Dentistry (11C)</b> 30S / 30E / 30M	8594 <b>Dental Office Administration (11D)</b> 30S / 30E / 30M
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**Goal 4:** Demonstrate the ability to **provide** oral health care services for patients.

**GLO 4.1:** Describe and demonstrate the dental assistant's role when **providing** oral health care services.

11A.4.1.1 Analyze diets in order to counsel patients on ways to decrease the potential development of dental disease.	11B.4.1.1 Identify anomalies and lesions that occur in the oral cavity.	11C.4.1.1 Demonstrate the preparation of a dental dam and assist with its application.	11D.4.1.1 Create and deliver an oral health care presentation for a target group.
	11B.4.1.2 Recognize the relationship between general health and oral manifestations.	11C.4.1.2 Demonstrate oral evacuation for various areas of the oral cavity.	
	11B.4.1.3 Recognize the effect of oral disease on general health.	11C.4.1.3 Demonstrate the procedure for the fabrication and delivery of whitening trays and athletic mouthguards.	
	11B.4.1.4 Recognize the use of medications commonly used in dentistry.	11C.4.1.4 Demonstrate the procedure for the fabrication and trimming of study models.	
	11B.4.1.5 Describe the effect of medications on the oral cavity.		
	11B.4.1.6 Describe how medications affect the overall state of the patient.		



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**Goal 5:** Demonstrate an understanding of **career opportunities** in the dental profession.

**GLO 5.1:** Describe **post-secondary education and employment opportunities** in dental assisting and related professions.

11A.5.1.1 Explain the roles and responsibilities of dental health care providers.

11A.5.1.2 Describe the educational modules available for Level II Dental Assistants.

11A.5.1.3 Describe dental assisting career opportunities available in the private and public sectors.

11A.5.1.4 Describe career opportunities related to the dental field.

11A.5.1.5 Describe the importance of participation in professional associations within the dental industry.

11D.5.1.1 Describe the roles and responsibilities of dental office managers.

11D.5.1.2 Create a resumé and a cover letter using computer software.

11D.5.1.3 Demonstrate job-search skills using information and communication technology.

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------------------------------------------------------------------------------	----------------------------------------------------------------	-------------------------------------------------------------------	--------------------------------------------------------------------------

**Goal 6:** Describe and demonstrate transferable **cross-curricular knowledge and skills** as they relate to dental assisting.

**GLO 6.1: Read, interpret, and communicate information** related to dental assisting.

11A.6.1.1 Retrieve relevant information and use it when required.	11B.6.1.1 →	11C.6.1.1 →	11D.6.1.1 →
11A.6.1.2 Describe the importance of accurate documentation of patient information.		11C.6.1.2 Demonstrate the ability to document patient information accurately.	11D.6.1.2 →
11A.6.1.3 Analyze a diet diary in order to counsel a patient on proper nutrition.		11C.6.1.3 Demonstrate the ability to interpret patient records.	11D.6.1.3 →
11A.6.1.4 Describe the importance of professionalism when communicating in the workplace.		11C.6.1.4 Demonstrate effective listening skills, both in person and on the telephone.	11D.6.1.4 →
		11C.6.1.5 Use dental terminology when communicating in the workplace.	11D.6.1.5 →
		11C.6.1.6 Demonstrate the ability to communicate effectively with patients, the dental team, and other professionals related to dental health care.	11D.6.1.6 →
		11C.6.1.7 Demonstrate the ability to educate a patient, incorporating content relevant to the patient's needs.	

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**Goal 6:** Describe and demonstrate transferable **cross-curricular knowledge and skills** as they relate to dental assisting. *(continued)*

**GLO 6.2:** Demonstrate knowledge and skills related to **mathematics** used in dental assisting.

	11C.6.2.1 Demonstrate knowledge of basic mathematics skills.	11D.6.2.1 →
	11C.6.2.2 Demonstrate mathematics skills needed for inventory control.	11D.6.2.2 →
	11C.6.2.3 Calculate and apply the principles of weight, measurement, temperature, and ratios.	11D.6.2.3 Demonstrate an awareness of the bookkeeping, accounting, and record-keeping skills required in a dental practice.

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**Goal 6:** Describe and demonstrate transferable **cross-curricular knowledge and skills** as they relate to dental assisting. (*continued*)

**GLO 6.3:** Demonstrate knowledge and skills related to **anatomy and physiology** used in dental assisting.

11A.6.3.1 Locate, identify, and describe anatomical landmarks of the teeth.	11B.6.3.1 Demonstrate an understanding of the basic anatomy and physiology of the head and neck region in order to assist with dental procedures, perform dental services, and provide client education.  11B.6.3.2 Identify and describe anatomical landmarks of the oral cavity.  11B.6.3.3 Identify landmarks of the head and neck.  11B.6.3.4 Identify and describe human body systems (including the skeletal, muscular, nervous, circulatory, respiratory, digestive, excretory, endocrine, and integumentary systems), with an emphasis on the head and neck.  11B.6.3.5 Describe disorders of human body systems.	11C.6.3.1 Describe the physiological changes that occur in the body during anaesthesia.	11D.6.3.1 Use dental terminology in written communication and for insurance purposes.
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**Goal 6:** Describe and demonstrate transferable **cross-curricular knowledge and skills** as they relate to dental assisting. (*continued*)

**GLO 6.4:** Demonstrate knowledge and skills related to **other subject areas** (science, physical education/health education, information and communication technology) used in dental assisting.

11A.6.4.1 Describe how nutrition affects the oral cavity.	11B.6.4.1 Describe pharmacology as it relates to dentistry.	11C.6.4.1 Describe how nutrition affects the oral cavity.	11D.6.4.1 Demonstrate the use of software for dental practice management.
11A.6.4.2 Use information and communication technology to research various Canadian dental organizations.	11B.6.4.2 Describe drugs frequently used in dentistry.	11C.6.4.2 Describe how galvanism affects the oral cavity.	11D.6.4.2 Conduct and present research using information and communication technology.
11A.6.4.3 Use information and communication technology to conduct research.	11B.6.4.3 List pharmaceuticals and describe their effects on the human body, with an emphasis on the oral cavity.	11C.6.4.3 Demonstrate an understanding of exothermic reactions as they apply to dental materials.	
	11B.6.4.4 Discuss how pharmaceuticals affect dental procedures.	11C.6.4.4 Demonstrate an understanding of the properties associated with the polymerization of materials.	
		11C.6.4.5 Describe the differences between alkaline and acidic properties and their effects on teeth.	
		11C.6.4.6 Demonstrate an understanding of the foundations of microbiology and ways to prevent the transmission of disease.	
		11C.6.4.7 Describe scientific properties that affect the approval and usage of dental materials.	

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**Goal 7:** Demonstrate awareness of **sustainability** as it pertains to dentistry.

**GLO 7.1:** Describe the impact of **sustainability** on the **health and well-being** of dental assistants and their patients.

<p>11A.7.1.1 Recognize and respond to a patient’s needs.</p> <p>11A.7.1.2 Describe physical, mental, and emotional health and their relationships to the dental profession.</p> <p>11A.7.1.3 Describe the implications of human rights in dentistry.</p> <p>11A.7.1.4 Discuss the principles of dentistry when educating and encouraging patients in maintaining oral health.</p>	<p>11C.7.1.1 Recognize and respond to a patient’s needs.</p> <p>11C.7.1.2 Describe physical, mental, and emotional health and their relationships to dental assisting.</p> <p>11C.7.1.3 Apply the principles of ergonomics when providing patient care.</p> <p>11C.7.1.4 Apply the principles of dentistry when educating and encouraging patients in maintaining oral health.</p>	<p>11D.7.1.1 ———&gt;</p> <p>11D.7.1.2 Describe physical, mental, and emotional health and their relationships to dental office administration.</p> <p>11D.7.1.3 Apply the principles of ergonomics in the dental reception area.</p> <p>11D.7.1.4 ———&gt;</p>
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**Goal 7:** Demonstrate awareness of **sustainability** as it pertains to dentistry. *(continued)*

**GLO 7.2:** Describe the dental industry's **sustainability practices** and their **impact on the environment**.

11A.7.2.1 Recognize the importance of the safe storage and disposal of hazardous materials in compliance with legal standards.	11C.7.2.1 Discuss the potential for increased sustainability in dentistry.	11D.7.2.1 Demonstrate the safe storage, recycling, and disposal of office supplies.
	11C.7.2.2 Demonstrate the safe handling and disposal of mercury found in amalgam.	11D.7.2.2 —→
	11C.7.2.3 Manage hazardous substances and wastes.	11D.7.2.3 —→
	11C.7.2.4 Demonstrate the storage and disposal of materials according to the manufacturers' instructions.	11D.7.2.4 —→

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**Goal 7:** Demonstrate awareness of **sustainability** as it pertains to dentistry. *(continued)*

**GLO 7.3:** Describe **sustainable business practices** within the dental industry.

11A.7.3.1 Discuss patients' needs to maintain their satisfaction and loyalty.	11C.7.3.1 Identify economically sustainable practices within the workplace.	11D.7.3.1 →
	11C.7.3.2 Describe the relationship between the economy and sustainable practices within the dental industry.	11D.7.3.2 →
	11C.7.3.3 Describe business practices and work ethics to manage the dental office efficiently.	11D.7.3.3 →
	11C.7.3.4 Evaluate patients' needs to maintain their satisfaction and loyalty.	11D.7.3.4 →
		11D.7.3.5 Maintain a patient-recall system.



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**Goal 8:** Demonstrate **ethical and legal standards** as they pertain to the dental profession.

**GLO 8.1:** Practise **ethical and legal standards** as they pertain to dental assisting.

<p>11A.8.1.1 Practise the principles of dignity, equity, fairness, and respect in relating to patients.</p> <p>11A.8.1.2 Describe the Canadian Dental Assistants' Association's <i>Code of Ethics</i>.</p> <p>11A.8.1.3 Discuss the requirements to obtain and maintain registration/licensure.</p> <p>11A.8.1.4 Recognize liabilities and insurance responsibilities for dental assistants.</p> <p>11A.8.1.5 Describe the role of the regulatory body for dental assistants.</p> <p>11A.8.1.6 Demonstrate an understanding of the Manitoba Dental Association's <i>Scope of Practice</i>, which lists roles and responsibilities of the dental assistant when providing care.</p>	<p>11C.8.1.1 Practise the principles of dignity, equity, fairness, and respect in relating to patients.</p> <p>11C.8.1.2 Maintain the Canadian Dental Assistants' Association's <i>Code of Ethics</i>.</p> <p>11C.8.1.3 Provide patients with optimum health care.</p>	<p>11D.8.1.1 —→</p> <p>11D.8.1.2 —→</p> <p>11D.8.1.3 Perform administrative duties to designated standards.</p>
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**Goal 8:** Demonstrate **ethical and legal standards** as they pertain to the dental profession. *(continued)*

**GLO 8.1:** Practise **ethical and legal standards** as they pertain to dental assisting. *(continued)*

11A.8.1.7 Demonstrate an understanding of Section 18 of *The Child and Family Services Act*, which outlines reporting of suspected child abuse.

11A.8.1.8 Describe current legislation with regard to confidentiality of patient information.

11A.8.1.9 Demonstrate an understanding of Canadian law as it applies to dentistry.

11A.8.1.10 Explain the reasons for keeping abreast of current dental information.

**Goal 9:** Demonstrate **employability skills** related to dental assisting.

**GLO 9.1:** Demonstrate **fundamental employability skills**.

11A.9.1.1 Demonstrate problem-solving skills.	11B.9.1.1 →	11C.9.1.1 →	11D.9.1.1 →
11A.9.1.2 Evaluate problems and implement appropriate solutions.	11B.9.1.2 →	11C.9.1.2 →	11D.9.1.2 →
11A.9.1.3 Describe professional conduct.		11C.9.1.3 Demonstrate professional conduct.	11D.9.1.3 →

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**Goal 9:** Demonstrate **employability skills** related to dental assisting. (*continued*)

**GLO 9.2:** Demonstrate **teamwork** skills.

11A.9.2.1 Describe the roles and responsibilities of the dental team.		11C.9.2.1 Work within the dynamics of the dental team.	11D.9.2.1 →
11A.9.2.2 Recognize and respect diversity and individual differences and perspectives.		11C.9.2.2 Recognize and respect diversity and individual differences and perspectives.	11D.9.2.2 →
11A.9.2.3 Describe the importance of conflict resolution.		11C.9.2.3 Demonstrate the ability to manage and resolve conflict when appropriate.	11D.9.2.3 →
11A.9.2.4 Accept and provide feedback in a constructive and considerate manner.		11C.9.2.4 Accept and provide feedback in a constructive and considerate manner.	11D.9.2.4 →
11A.9.2.5 Share information and expertise with the dental team.		11C.9.2.5 Share information and expertise with the dental team.	11D.9.2.5 →

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**Goal 9:** Demonstrate **employability skills** related to dental assisting. *(continued)*

**GLO 9.3:** Demonstrate **personal management skills**.

11A.9.3.1 Demonstrate punctuality and reliability.	11B.9.3.1 →	11C.9.3.1 →	11D.9.3.1 →
11A.9.3.2 Demonstrate an understanding of the importance of accountability in the dental setting.		11C.9.3.2 Demonstrate adaptability within various situations in the dental setting.	11D.9.3.2 →
		11C.9.3.3 Demonstrate initiative and independence.	11D.9.3.3 →
		11C.9.3.4 Demonstrate accountability for own actions in the dental setting.	11D.9.3.4 →
		11C.9.3.5 Practise time-management strategies to manage the dental office efficiently.	11D.9.3.5 →
		11C.9.3.6 Apply organizational skills in the dental practice.	11D.9.3.6 →

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**Goal 9:** Demonstrate **employability skills** related to dental assisting. (*continued*)

**GLO 9.4:** Demonstrate an understanding of the **business operation** of a dental office.

11A.9.4.1 Describe the importance of a strong work ethic to ensure efficiency in the dental office.	11B.9.4.1 Describe the role of the dental assistant with regard to maintaining records of drugs administered/ prescribed in a dental office.	11C.9.4.1 Demonstrate a strong work ethic to ensure efficiency in the dental office.	11D.9.4.1 —→
		11C.9.4.2 Maintain patient records.	11D.9.4.2 —→
		11C.9.4.3 Describe business practices to manage the dental office efficiently.	11D.9.4.3 —→
		11C.9.4.4 Describe strategies to ensure ongoing patient recall.	11D.9.4.4 —→
			11D.9.4.5 Describe the procedure for receiving patients in, and dismissing them from, the dental office.
			11D.9.4.6 Describe the protocol for working with patients with special needs.
			11D.9.4.7 Demonstrate the ability to perform business and administrative duties using manual and computer applications.

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**Goal 9:** Demonstrate **employability skills** related to dental assisting. *(continued)*

**GLO 9.4:** Demonstrate an understanding of the **business operation** of a dental office. *(continued)*

- 11D.9.4.8 Complete manual and computerized dental insurance claims.
- 11D.9.4.9 Create manual and computerized appointment schedules.
- 11D.9.4.10 Apply principles of inventory control.
- 11D.9.4.11 Demonstrate an understanding of various dental procedures and the time needed for appointment scheduling.

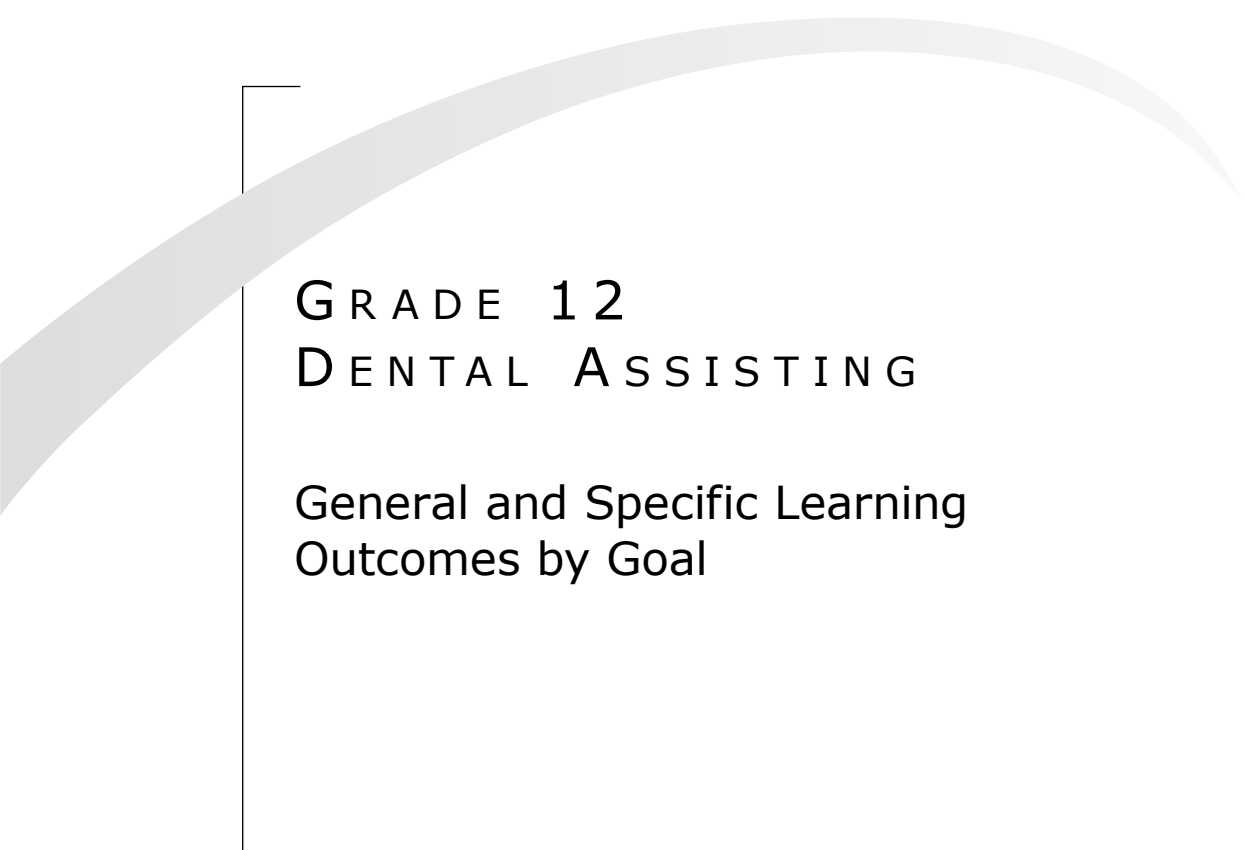
**Goal 10:** Demonstrate an understanding of the **evolution** of the dental profession, including its **technological progression** and **emerging trends**.

**GLO 10.1:** Describe the **evolution** of the dental profession, including its **technological progression** and **emerging trends**.

11A.10.1.1 Describe the importance of lifelong learning as it relates to the dental profession.

11A.10.1.2 Describe the history of dentistry and dental assisting.

11C.10.1.1 Describe the evolution of restorative dentistry, including its technological advances and emerging trends.



GRADE 12  
DENTAL ASSISTING

General and Specific Learning  
Outcomes by Goal





## GRADE 12 DENTAL ASSISTING: GENERAL AND SPECIFIC LEARNING OUTCOMES BY GOAL

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 1:** Describe and apply appropriate **health and safety** practices as they relate to dental assisting.

**GLO 1.1:** Describe and apply appropriate **health and safety** practices.

12A.1.1.1 Demonstrate an awareness of the principles of the Workplace Hazardous Materials Information System (WHMIS).	12B.1.1.1 →	12C.1.1.1 →	12D.1.1.1 →
12A.1.1.2 Apply health and safety legislation, regulations, and standards.	12B.1.1.2 →	12C.1.1.2 →	12D.1.1.2 →
12A.1.1.3 Use infection-control techniques and apply standard precautions to ensure patient and operator safety.	12B.1.1.3 →	12C.1.1.3 →	12D.1.1.3 →
12A.1.1.4 Use pertinent personal and patient protection.	12B.1.1.4 →	12C.1.1.4 →	12D.1.1.4 →
12A.1.1.5 Apply the principles of radiation hygiene for the operator and the patient.	12B.1.1.5 →	12C.1.1.5 →	12D.1.1.5 →
12A.1.1.6 Identify the injury-reporting process and the post-exposure protocol.	12B.1.1.6 →	12C.1.1.6 →	12D.1.1.6 →
12A.1.1.7 Apply knowledge of emergency first aid and cardiopulmonary resuscitation (CPR).	12B.1.1.7 →	12C.1.1.7 →	12D.1.1.7 →

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 1:** Describe and apply appropriate **health and safety** practices as they relate to dental assisting. *(continued)*

**GLO 1.2:** Create and maintain a **safe working environment**.

12A.1.2.1 Identify and report hazards in the workplace.	12B.1.2.1 →	12C.1.2.1 →	12D.1.2.1 →
12A.1.2.2 Identify safety precautions to be followed when using equipment, instruments, and materials.	12B.1.2.2 →	12C.1.2.2 →	12D.1.2.2 →
12A.1.2.3 Follow safe practices and procedures for facilities, equipment, instruments, and materials used in the workplace.	12B.1.2.3 →	12C.1.2.3 →	12D.1.2.3 →
12A.1.2.4 Apply standard safety precautions for clinical procedures.	12B.1.2.4 →	12C.1.2.4 →	12D.1.2.4 →
12A.1.2.5 Manage hazardous substances and wastes.	12B.1.2.5 →	12C.1.2.5 →	12D.1.2.5 →
12A.1.2.6 Maintain a safe dental darkroom.	12B.1.2.6 →	12C.1.2.6 →	12D.1.2.6 →

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**Goal 1:** Describe and apply appropriate **health and safety** practices as they relate to dental assisting. *(continued)*

**GLO 1.2:** Create and maintain a **safe working environment.** *(continued)*

12A.1.2.7 Demonstrate the ability to follow safety information on supplier labels and on equipment.	12B.1.2.7 →	12C.1.2.7 →	12D.1.2.7 →
12A.1.2.8 Demonstrate knowledge of safety equipment, such as a fire extinguisher, a first aid kit, and an eyewash station.	12B.1.2.8 →	12C.1.2.8 →	12D.1.2.8 →
	12B.1.2.9 Demonstrate the disposal of matrix bands in a puncture-proof container with a biohazardous waste label.	12C.1.2.9 Demonstrate the disposal of needles, suture needles, and scalpel blades in a puncture-proof container with a biohazardous waste label.	12D.1.2.9 Describe the disposal of sharps in a puncture-proof container with a biohazardous waste label.

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**Goal 2:** Demonstrate the safe and appropriate **operation, maintenance, handling, and storage** of **equipment, instruments, materials, and consumable items.**

**GLO 2.1:** Demonstrate the safe and appropriate **operation, maintenance, and storage** of **equipment and instruments.**

12A.2.1.1 Demonstrate the safe and appropriate operation, maintenance, and storage of equipment and instruments used in radiology, moisture control, and sealant placement.	12B.2.1.1 Demonstrate the safe and appropriate operation, maintenance, and storage of equipment and instruments used in prophylaxis and impression procedures.	12C.2.1.1 Demonstrate the safe and appropriate operation, maintenance, and storage of equipment and instruments used in orthodontics, periodontics, prosthodontics, oral surgery, and endodontics.	12D.2.1.1 Demonstrate the safe and appropriate operation, maintenance, and storage of equipment and instruments used in patient management, infection control, and diagnosis.
12A.2.1.2 Demonstrate the use and placement of various aids for moisture control.	12B.2.1.2 →	12C.2.1.2 →	12D.2.1.2 →
12A.2.1.3 Demonstrate the handling and storage of analog film, sensors, and phosphor plates.	12B.2.1.3 Demonstrate the ability to use equipment needed to obtain blood pressure readings.	12C.2.1.3 Describe the use of an apex locator and heated delivery systems for endodontic obturation.	12D.2.1.3 Demonstrate the ability to use equipment needed to obtain blood pressure readings.
12A.2.1.4 Demonstrate the use, maintenance, and storage of a low-speed handpiece.	12B.2.1.4 →	12C.2.1.4 Demonstrate the maintenance and storage of high-speed and low-speed handpieces.	12D.2.1.4 →
12A.2.1.5 Demonstrate the use, storage, and maintenance of a light-curing unit.	12B.2.1.5 →	12C.2.1.5 Describe the use of a light-curing unit.	12D.2.1.5 Describe the use, storage, and maintenance of a light-curing unit.

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 2:** Demonstrate the safe and appropriate **operation, maintenance, handling, and storage of equipment, instruments, materials, and consumable items.** *(continued)*

**GLO 2.1:** Demonstrate the safe and appropriate **operation, maintenance, and storage of equipment and instruments.** *(continued)*

12A.2.1.6 Demonstrate the use of a dental X-ray unit.	12B.2.1.6 Describe the use and maintenance of ultrasonic scalers.	12C.2.1.6 —→	12D.2.1.6 Describe the maintenance of ultrasonic scalers.
12A.2.1.7 Demonstrate the use and maintenance of an X-ray processor.	12B.2.1.7 Describe the use of an ultrasonic cleaner to clean impression trays and prostheses.	12C.2.1.7 —→	12D.2.1.7 Demonstrate the operation and maintenance of an ultrasonic cleaner.
		12C.2.1.8 Describe the use of lasers in dentistry and the safety precautions to be followed.	12D.2.1.8 Demonstrate the operation and maintenance of sterilizers.
		12C.2.1.9 Describe the use of computerized tomography (CT) scanning in dentistry.	12D.2.1.9 —→

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 2:** Demonstrate the safe and appropriate **operation, maintenance, handling, and storage** of **equipment, instruments, materials, and consumable items. *(continued)***

**GLO 2.2:** Demonstrate the safe and appropriate **handling and storage** of **materials and consumable items.**

12A.2.2.1 Demonstrate the appropriate storage and disposal of materials according to the manufacturers' instructions.	12B.2.2.1 →	12C.2.2.1 →	12D.2.2.1 →
12A.2.2.2 Demonstrate the appropriate use of etchant to ensure patient safety.	12B.2.2.2 Demonstrate the appropriate use of topical fluoride to ensure patient safety.	12C.2.2.2 Describe the safe use of sodium hypochlorite in endodontics.	
	12B.2.2.3 Demonstrate the safe handling of acrylates.	12C.2.2.3 →	

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 3:** Demonstrate the ability to **assist** the operator when providing oral health care services.

**GLO 3.1** Describe and demonstrate the dental assistant’s role when **assisting** the operator with various procedures.

12A.3.1.1 Prepare a dental unit and assemble the armamentarium needed for a procedure.	12B.3.1.1 →	12C.3.1.1 →	12D.3.1.1 →
12A.3.1.2 Demonstrate the procedure for greeting, seating, and dismissing a patient.	12B.3.1.2 →	12C.3.1.2 →	12D.3.1.2 →
12A.3.1.3 Apply the principles of four-handed dentistry while assisting an operator.	12B.3.1.3 →	12C.3.1.3 →	12D.3.1.3 →
12A.3.1.4 Mix and manipulate materials required for a procedure.	12B.3.1.4 →	12C.3.1.4 →	12D.3.1.4 →
12A.3.1.5 Identify and anticipate the operator’s needs during a procedure.	12B.3.1.5 →	12C.3.1.5 →	12D.3.1.5 →
			12D.3.1.6 Describe the ability to assist with pulse and blood pressure readings.

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 4:** Demonstrate the ability to **provide** oral health care services for patients.

**GLO 4.1:** Describe and demonstrate the dental assistant’s role when **providing** oral health care services.

12A.4.1.1 Demonstrate oral evacuation for various areas of the oral cavity.	12B.4.1.1 —————>	12C.4.1.1 —————>	12D.4.1.1 —————>
12A.4.1.2 Demonstrate the placement and removal of a dental dam.	12B.4.1.2 Demonstrate the application of matrices.	12C.4.1.2 Demonstrate the placement and removal of a dental dam.	12D.4.1.2 Describe diagnostic aids used to diagnose oral conditions.
12A.4.1.3 Demonstrate the ability to place and expose diagnostic-quality radiographs.	12B.4.1.3 —————>	12C.4.1.3 Describe the placement and exposure of diagnostic-quality radiographs.	12D.4.1.3 Describe the use of radiographs for diagnosing oral conditions.
12A.4.1.4 Apply the principles of X-ray production when exposing radiographs.	12B.4.1.4 Demonstrate the removal of sutures.	12C.4.1.4 Describe a diagnostic-quality radiograph used in dental specialties.	12D.4.1.4 Describe responses to medical emergencies.
12A.4.1.5 Demonstrate the ability to process films.	12B.4.1.5 Demonstrate the ability to take a patient’s blood pressure.	12C.4.1.5 Demonstrate the procedure for fabricating a custom tray.	12D.4.1.5 Demonstrate the ability to take a patient’s blood pressure.
12A.4.1.6 Evaluate radiographs to ensure their diagnostic quality.	12B.4.1.6 Demonstrate the application of desensitizing agents.		
12A.4.1.7 Mount radiographs for viewing purposes.	12B.4.1.7 Demonstrate the ability to take preliminary impressions.		



8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 4:** Demonstrate the ability to **provide** oral health care services for patients. *(continued)*

**GLO 4.1:** Describe and demonstrate the dental assistant’s role when **providing** oral health care services. *(continued)*

12A.4.1.8 Demonstrate the ability to apply sealants to the tooth surface.	12B.4.1.8 Demonstrate the ability to remove plaque and stain from the oral cavity.		
12A.4.1.9 Evaluate sealants to ensure their appropriate placement.	12B.4.1.9 Demonstrate the ability to provide a patient with oral health care techniques.		
	12B.4.1.10 Demonstrate the application of bonding agents, bases, and liners.		
	12B.4.1.11 Demonstrate the application of topical anaesthetic.		

**Goal 5:** Demonstrate an understanding of **career opportunities** in the dental profession.

**GLO 5.1:** Describe **post-secondary education and employment opportunities** in dental assisting and related professions.

12A.5.1.1 Explain the roles and responsibilities of dental health care providers.	12B.5.1.1 —>	12C.5.1.1 —>	12D.5.1.1 —>
12A.5.1.2 Describe educational modules available for Level II Dental Assistants.	12B.5.1.2 —>	12C.5.1.2 —>	12D.5.1.2 —>
12A.5.1.3 Describe dental assisting career opportunities available in the private and public sectors.	12B.5.1.3 —>	12C.5.1.3 —>	12D.5.1.3 —>
12A.5.1.4 Describe career opportunities related to the dental field.	12B.5.1.4 —>	12C.5.1.4 —>	12D.5.1.4 —>

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 6:** Describe and demonstrate transferable **cross-curricular knowledge and skills** as they relate to dental assisting.

**GLO 6.1: Read, interpret, and communicate information** related to dental assisting.

12A.6.1.1 Apply the manufacturers' instructions when using dental materials.	12B.6.1.1 →	12C.6.1.1 →	12D.6.1.1 →
12A.6.1.2 Demonstrate the ability to document patient information accurately.	12B.6.1.2 →	12C.6.1.2 →	12D.6.1.2 →
12A.6.1.3 Demonstrate effective conversational and listening skills, both in person and on the telephone.	12B.6.1.3 →	12C.6.1.3 →	12D.6.1.3 →
12A.6.1.4 Demonstrate the ability to interpret patient records.	12B.6.1.4 →	12C.6.1.4 →	12D.6.1.4 →
12A.6.1.5 Use dental terminology when communicating in the workplace.	12B.6.1.5 →	12C.6.1.5 →	12D.6.1.5 →
12A.6.1.6 Demonstrate the ability to communicate effectively with patients, the dental team, and other professionals related to dental health care.	12B.6.1.6 →	12C.6.1.6 →	12D.6.1.6 →

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 6:** Describe and demonstrate transferable **cross-curricular knowledge and skills** as they relate to dental assisting. *(continued)*

**GLO 6.1: Read, interpret, and communicate information** related to dental assisting. *(continued)*

12A.6.1.7 Demonstrate the ability to counsel a patient, incorporating content relevant to the patient's needs.	12B.6.1.7 →	12C.6.1.7 →	12D.6.1.7 →
12A.6.1.8 Educate a patient on a procedure.	12B.6.1.8 →	12C.6.1.8 →	12D.6.1.8 →
12A.6.1.9 Provide a patient with post-operative instructions.	12B.6.1.9 →	12C.6.1.9 →	12D.6.1.9 →
	12B.6.1.10 Evaluate a patient's risk for dental caries and counsel the patient on appropriate nutrition.		

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 6:** Describe and demonstrate transferable **cross-curricular knowledge and skills** as they relate to dental assisting. (*continued*)

**GLO 6.2:** Demonstrate knowledge and skills related to **mathematics** used in dental assisting.

12A.6.2.1 Demonstrate knowledge of basic mathematics skills.	12B.6.2.1 →	12C.6.2.1 →	12D.6.2.1 →
12A.6.2.2 Calculate and apply the principles of weight, measurement, temperature, and ratios.	12B.6.2.2 →	12C.6.2.2 →	12D.6.2.2 →

**GLO 6.3:** Demonstrate knowledge and skills related to **anatomy and physiology** used in dental assisting.

12A.6.3.1 Locate, identify, and describe anatomical landmarks of the teeth.	12B.6.3.1 →	12C.6.3.1 →	12D.6.3.1 →
12A.6.3.2 Identify and describe anatomical landmarks of the oral cavity.	12B.6.3.2 →	12C.6.3.2 →	12D.6.3.2 →
12A.6.3.3 Identify relevant landmarks of the head and neck.	12B.6.3.3 →	12C.6.3.3 →	12D.6.3.3 →

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 6:** Describe and demonstrate transferable **cross-curricular knowledge and skills** as they relate to dental assisting. (*continued*)

**GLO 6.4:** Demonstrate knowledge and skills related to **other subject areas** (science, physical education/health education) used in dental assisting.

12A.6.4.1 Demonstrate an understanding of the properties associated with the polymerization of materials.	12B.6.4.1 →	12C.6.4.1 →	12D.6.4.1 Demonstrate an understanding of the scientific properties associated with autoclave sterilization.
12A.6.4.2 Describe the differences between alkaline and acidic properties and their effects on teeth.	12B.6.4.2 →	12C.6.4.2 Demonstrate an understanding of exothermic reactions as they apply to dental materials.	12D.6.4.2 →
12A.6.4.3 Demonstrate an understanding of the foundations of microbiology and ways to prevent the transmission of disease.	12B.6.4.3 →	12C.6.4.3 →	12D.6.4.3 Demonstrate an understanding of and describe the foundations of microbiology and ways to prevent the transmission of disease.
	12B.6.4.4 Describe how nutrition affects the oral cavity.	12C.6.4.4 →	12D.6.4.4 Describe how micro-organisms affect the body.
	12B.6.4.5 Describe the effects of micro-organisms on the oral cavity.	12C.6.4.5 →	
	12B.6.4.6 Describe how disease affects oral tissues.	12C.6.4.6 →	
	12B.6.4.7 Describe the histology of the periodontium.		
	12B.6.4.8 List pharmaceuticals and describe their effects on the oral cavity.		

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 7:** Demonstrate awareness of **sustainability** as it pertains to dentistry.

**GLO 7.1:** Describe the impact of **sustainability** on the **health and well-being** of dental assistants and their patients.

12A.7.1.1 Recognize and be receptive to a patient's needs.	12B.7.1.1 →	12C.7.1.1 →	12D.7.1.1 →
12A.7.1.2 Describe physical, mental, and emotional health and their relationships to dental assisting.	12B.7.1.2 →	12C.7.1.2 →	12D.7.1.2 →
12A.7.1.3 Apply the principles of ergonomics when providing patient care.	12B.7.1.3 →	12C.7.1.3 →	12D.7.1.3 →
12A.7.1.4 Apply the principles of dentistry when educating and encouraging patients in maintaining optimal oral health.	12B.7.1.4 →	12C.7.1.4 →	12D.7.1.4 →
12A.7.1.5 Show consideration and respect for patients.	12B.7.1.5 →	12C.7.1.5 →	12D.7.1.5 →
12A.7.1.6 Maintain patient rapport and comfort.	12B.7.1.6 →	12C.7.1.6 →	12D.7.1.6 →

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 7:** Demonstrate awareness of **sustainability** as it pertains to dentistry. *(continued)*

**GLO 7.2:** Describe the dental industry's **sustainability practices** and their **impact on the environment**.

12A.7.2.1 Demonstrate the safe storage, recycling, and disposal of processing solutions.	12B.7.2.1 →	12C.7.2.1 →	12D.7.2.1 →
12A.7.2.2 Discuss the potential for increased sustainability in dentistry.	12B.7.2.2 →	12C.7.2.2 →	12D.7.2.2 →

**GLO 7.3:** Describe **sustainable business practices** within the dental industry.

12A.7.3.1 Identify economically sustainable practices within the workplace.	12B.7.3.1 →	12C.7.3.1 →	12D.7.3.1 →
12A.7.3.2 Describe the relationship between the economy and sustainable practices within the dental industry.	12B.7.3.2 →	12C.7.3.2 →	12D.7.3.2 →
12A.7.3.3 Apply business practices and work ethics to manage the dental office efficiently.	12B.7.3.3 →	12C.7.3.3 →	12D.7.3.3 →
12A.7.3.4 Evaluate patients' needs to maintain their satisfaction and loyalty.	12B.7.3.4 →	12C.7.3.4 →	12D.7.3.4 →

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 8:** Demonstrate **ethical and legal standards** as they pertain to the dental profession.

**GLO 8.1:** Practise **ethical and legal standards** as they pertain to dental assisting.

12A.8.1.1 Perform skills to the highest standards (to the level of a competent operator).	12B.8.1.1 →	12C.8.1.1 →	12D.8.1.1 →
12A.8.1.2 Maintain current emergency first aid and CPR skills.	12B.8.1.2 →	12C.8.1.2 →	12D.8.1.2 →
12A.8.1.3 Discuss the importance of maintaining technical competence through advanced education or continuing education.	12B.8.1.3 →	12C.8.1.3 →	12D.8.1.3 →
12A.8.1.4 Demonstrate an understanding of and adherence to the legislation and regulations required for dental assistants to remain in good standing with professional and regulatory organizations.	12B.8.1.4 →	12C.8.1.4 →	12D.8.1.4 →
12A.8.1.5 Maintain the standards outlined in the Canadian Dental Assistants' Association's <i>Code of Ethics</i> .	12B.8.1.5 →	12C.8.1.5 →	12D.8.1.5 →
12A.8.1.6 Provide patients with optimum health care.	12B.8.1.6 →	12C.8.1.6 →	12D.8.1.6 →



8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 8:** Demonstrate **ethical and legal standards** as they pertain to the dental profession. (*continued*)

**GLO 8.1:** Practise **ethical and legal standards** as they pertain to dental assisting. (*continued*)

12A.8.1.7 Apply current legislation with regard to confidentiality of patient information.	12B.8.1.7 →	12C.8.1.7 →	12D.8.1.7 →
12A.8.1.8 Practise the principles of dignity, equity, fairness, and respect in relating to patients.	12B.8.1.8 →	12C.8.1.8 →	12D.8.1.8 →

**Goal 9:** Demonstrate **employability skills** related to dental assisting.

**GLO 9.1:** Demonstrate **fundamental employability skills**.

12A.9.1.1 Retrieve relevant information and use it when required.	12B.9.1.1 →	12C.9.1.1 →	12D.9.1.1 →
12A.9.1.2 Demonstrate professional conduct in providing patient care.	12B.9.1.2 →	12C.9.1.2 →	12D.9.1.2 →
12A.9.1.3 Demonstrate problem-solving skills and implement appropriate solutions.	12B.9.1.3 →	12C.9.1.3 →	12D.9.1.3 →
12A.9.1.4 Access, analyze, synthesize, and apply knowledge and skills from various disciplines.	12B.9.1.4 →	12C.9.1.4 →	12D.9.1.4 →

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 9:** Demonstrate **employability skills** related to dental assisting. (*continued*)

**GLO 9.2:** Demonstrate **teamwork skills**.

12A.9.2.1 Demonstrate an understanding of and work within the dynamics of the dental team.	12B.9.2.1 →	12C.9.2.1 →	12D.9.2.1 →
12A.9.2.2 Recognize and respect diversity and individual differences and perspectives.	12B.9.2.2 →	12C.9.2.2 →	12D.9.2.2 →
12A.9.2.3 Manage and resolve conflict when appropriate.	12B.9.2.3 →	12C.9.2.3 →	12D.9.2.3 →
12A.9.2.4 Accept and provide feedback in a constructive and considerate manner.	12B.9.2.4 →	12C.9.2.4 →	12D.9.2.4 →
12A.9.2.5 Share information and expertise with the dental team.	12B.9.2.5 →	12C.9.2.5 →	12D.9.2.5 →

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 9:** Demonstrate **employability skills** related to dental assisting. *(continued)*

**GLO 9.3:** Demonstrate **personal management skills**.

12A.9.3.1 Demonstrate punctuality.	12B.9.3.1 →	12C.9.3.1 →	12D.9.3.1 →
12A.9.3.2 Demonstrate positive attitudes and behaviours.	12B.9.3.2 →	12C.9.3.2 →	12D.9.3.2 →
12A.9.3.3 Demonstrate adaptability within various situations in the dental setting.	12B.9.3.3 →	12C.9.3.3 →	12D.9.3.3 →
12A.9.3.4 Demonstrate initiative and independence throughout patient care.	12B.9.3.4 →	12C.9.3.4 →	12D.9.3.4 →
12A.9.3.5 Demonstrate accountability for own actions in the dental setting.	12B.9.3.5 →	12C.9.3.5 →	12D.9.3.5 →
12A.9.3.6 Practise time-management strategies to manage the office schedule efficiently.	12B.9.3.6 →	12C.9.3.6 →	12D.9.3.6 →
12A.9.3.7 Apply organizational skills in the dental practice.	12B.9.3.7 →	12C.9.3.7 →	12D.9.3.7 →
12A.9.3.8 Demonstrate the ability to transfer learning to new situations.	12B.9.3.8 →	12C.9.3.8 →	12D.9.3.8 →
12A.9.3.9 Demonstrate an understanding of the importance of lifelong learning.	12B.9.3.9 →	12C.9.3.9 →	12D.9.3.9 →

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 9:** Demonstrate **employability skills** related to dental assisting. *(continued)*

**GLO 9.4:** Demonstrate an understanding of the **business operation** of a dental office.

12A.9.4.1 Demonstrate a strong work ethic to ensure efficiency in the dental office.	12B.9.4.1 →	12C.9.4.1 →	12D.9.4.1 →
12A.9.4.2 Maintain patient records.	12B.9.4.2 →	12C.9.4.2 →	12D.9.4.2 →
12A.9.4.3 Apply business practices to manage the dental office efficiently.	12B.9.4.3 →	12C.9.4.3 →	12D.9.4.3 →
12A.9.4.4 Create strategies to ensure ongoing patient recall.	12B.9.4.4 →	12C.9.4.4 →	12D.9.4.4 →

8606 <b>Intraoral Skills I (12A)</b> 40S / 40E / 40M	8607 <b>Intraoral Skills II (12B)</b> 40S / 40E / 40M	8608 <b>Dental Specialties (12C)</b> 40S / 40E / 40M	8609 <b>Introduction to Patient Care (12D)</b> 40S / 40E / 40M
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**Goal 10:** Demonstrate an understanding of the **evolution** of the dental profession, including its **technological progression** and **emerging trends**.

**GLO 10.1:** Describe the **evolution** of the dental profession, including its **technological progression** and **emerging trends**.

12A.10.1.1 Describe the evolution of dental materials, including technological advances and emerging trends.	12B.10.1.1 →	12C.10.1.1 →	12D.10.1.1 →
12A.10.1.2 Describe the evolution of dental equipment, including technological advances and emerging trends.	12B.10.1.2 →	12C.10.1.2 →	12D.10.1.2 →
12A.10.1.3 Describe the evolution of dental techniques, including technological advances and emerging trends.	12B.10.1.3 →	12C.10.1.3 →	12D.10.1.3 →
12A.10.1.4 Describe the evolution of dental radiography, including technological advances and emerging trends.	12B.10.1.4 →	12C.10.1.4 →	12D.10.1.4 →





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Printed in Canada  
Imprimé au Canada