

REGISTERED DENTAL ASSISTANT

INDUSTRY SECTOR | Health, Science and Medical Technology

PATHWAY | Health Care Administrative Services

COURSE ESSENTIAL QUESTION:

The tooth, the whole tooth, and nothing but the tooth!

COURSE OVERVIEW:

This program prepares students for employment in the Health Sciences of Dentistry. In completion of the program students will be chair side dental assistant and prepare for license as a Registered Dental Assistant. This course includes instruction in dental terminology, communication, interpersonal skills, ethical and legal considerations, pre-clinical sciences, preventive dentistry, radiology, dental materials and basic chair side assisting. Students participate in clinical internships. Integrated throughout the course are Common Core State Standard and Career Technical Education Standards, which include safety, communication, technology, ethics, career planning and other employability skills.

INFORMATION:

- A. **Pre-requisite:** 12th grade, Adults
- B. **Abilities Required:** Grade level reading comprehension
- C. **Dress Requirement and Grooming:** As indicated by industry
- D. **Students must master** [Click here to enter text.](#) % of the certificate competencies to receive a certificate.
- E. **Fee:** Free to High School/Adults is fee based
- F. **Course Length:** 825 hours
- G. **Textbook:** Modern Dentistry 10th Edition
- H. **UC a-g Approved:** Yes
- I. **Industry Certification:** Yes
- J. **Sequencing to Include a Capstone:** Not Applicable
- K. **Community College Articulation:** No
- L. **Common Core Alignment:** Yes
- M. **Community Classroom:** Yes
- N. **Career Technical Student Organization:** No
- O. **Work- Based Learning:** Yes

THEME: UNIT 1. ORIENTATION/INTRODUCTION TO DENTISTRY/DENTAL ASSISTANT AS A PROFESSION

ENGAGING TITLE:

ESSENTIAL QUESTION: *Did you know you have tooth worms?*

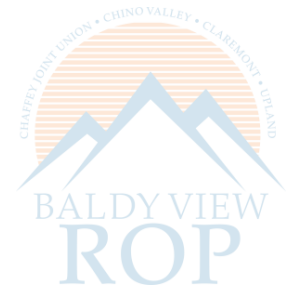
INSTRUCTIONAL HOURS: 17.50 Hours

Common Core Unit Objective

This unit provides students with an overview of the dental profession. Key topics include the history of dentistry, the dental health care team, licensing and educational requirements, and professional organizations.

Key Assignments

- Students will work in small groups to conduct research on key events in the evolution of dentistry as a profession. Each group will create and present a timeline highlighting each event.



Anchor Standards

- 7.0 **Responsibility and Flexibility:** Initiate, and participate in, a range of collaborations demonstrating behaviors that reflect personal and professional responsibility, flexibility, and respect in the sector workplace environment and community settings.
- 7.1 Recognize how financial management impacts the economy, workforce, and community.
 - 7.2 Explain the importance of accountability and responsibility in fulfilling personal, community, and workplace roles.
 - 7.3 Understand the need to adapt to changing and varied roles and responsibilities.
 - 7.4 Practice time management and efficiency to fulfill responsibilities.
 - 7.5 Apply high-quality techniques to product or presentation design and development.
 - 7.6 Demonstrate knowledge and practice of responsible financial management.
 - 7.7 Demonstrate the qualities and behaviors that constitute a positive and professional work demeanor, including appropriate attire for the profession.
 - 7.8 Explore issues of global significance and document the impact on the Health Science and Medical Technology sector.
- 9.0 **Leadership and Teamwork:** Work with peers to promote divergent and creative perspectives, effective leadership, group dynamics, team and individual decision making, benefits of workforce diversity, and conflict resolution.
- 9.1 Define leadership and identify the responsibilities, competencies, and behaviors of successful leaders.
 - 9.2 Identify the characteristics of successful teams, including leadership, cooperation, collaboration, and effective decision-making skills as applied in groups, teams, and career technical student organization activities.
 - 9.3 Understand the characteristics and benefits of teamwork, leadership, and citizenship in the school, community, and workplace setting.
 - 9.4 Explain how professional associations and organizations and associated leadership development and competitive career development activities enhance academic preparation, promote career choices, and contribute to employment opportunities.
 - 9.5 Understand that the modern world is an international community and requires an expanded global view.
 - 9.6 Respect individual and cultural differences and recognize the importance of diversity in the workplace.
 - 9.7 Participate in interactive teamwork to solve real Health Science and Medical Technology sector issues and problems.



Pathway Standards

- B12.0 Adhere to the roles and responsibilities, within the scope of practice, that contribute to the design and implementation of treatment planning.
- B12.1 Understand scope of practice and related skills within prevention, diagnosis, pathology, and treatment occupations.
- B12.2 Describe the various roles and responsibilities of health care workers as team members in an integrated health care delivery system
- B12.3 Demonstrate the knowledge and delivery of specific skills and procedures as outlined within the scope of practice appropriate for patient care in prevention, diagnosis, pathology, and treatment.
- B12.4 Follow appropriate guidelines for implementation of various procedures
- B13.0 Research factors that define cultural differences between and among different ethnic, racial, and cultural groups and special populations.

Common Core Standards

- LS 11-12.1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- LS 11-12.2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
- WS 11-12.4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
- WS 11-12.6. Use technology, including the Internet, to produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.
- WS 11-12.8. Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation including footnotes and endnotes



RESOURCES:

Resources

1. Textbook – Ch. 1-5
2. PowerPoint Presentation
3. Guest Speakers – Former students
4. Internet research including diagrams



THEME: UNIT 2. SCIENCES IN DENTISTRY

ENGAGING TITLE:

ESSENTIAL QUESTION: *How does your dental health influence your overall health?*

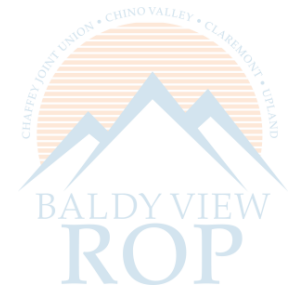
INSTRUCTIONAL HOURS: 45.00 Hours

Common Core Unit Objective

This unit introduces students to the general anatomy and physiology of the human body. Emphasis is placed on the head and neck regions of the body.

Key Assignments

- Student will color code on anatomic and geometric graph the surfaces and numbering systems to the adult dentition.
- Student will create plaster model of dentition and match and color the surfaces and universal numbering system assigned to each tooth.



Anchor Standards

- 2.0 **Communications:** Acquire and use accurately sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats.
- 2.1 Recognize the elements of communication using a sender–receiver model.
 - 2.2 Identify barriers to accurate and appropriate communication.
 - 2.3 Interpret verbal and nonverbal communications and respond appropriately.
 - 2.4 Demonstrate elements of written and electronic communication such as accurate spelling, grammar, and format.
 - 2.5 Communicate information and ideas effectively to multiple audiences using a variety of media and formats.
 - 2.6 Advocate and practice safe, legal, and responsible use of digital media information and communications technologies.
 - 2.7 Recognize major word parts of medical terminology including roots, prefixes and suffixes.
 - 2.8 Understand and use correct medical terminology for common pathologies.
- 5.0 **Problem Solving and Critical Thinking.** Conduct short, as well as more sustained, research to create alternative solutions to answer a question or solve a problem unique to the sector using critical and creative thinking, logical reasoning, analysis, inquiry, and problem-solving techniques.
- 5.1 Identify and ask significant questions that clarify various points of view to solve problems.
 - 5.2 Solve predictable and unpredictable work-related problems using various types of reasoning (inductive, deductive) as appropriate.
 - 5.3 Use systems thinking to analyze how various components interact with each other to produce outcomes in a complex work environment.
 - 5.4 Interpret information and draw conclusions, based on the best analysis, to make informed decisions.
 - 5.5 Know how to apply mathematical computations related to health care procedures (metric and household, conversions and measurements).
 - 5.6 Read, interpret, and extract information from documents.
- 11.0 **Demonstration and Application:** Demonstrate and apply the knowledge and skills contained in the Health Science and Medical Technology anchor standards, pathway standards, and performance indicators in classroom, laboratory, and workplace settings and through the Cal-HOSA career technical student organization.
- 11.1 Utilize work-based/workplace learning experiences to demonstrate and expand upon knowledge and skills gained during classroom instruction and laboratory practices specific to the Health Science and Medical Technology sector program of study.

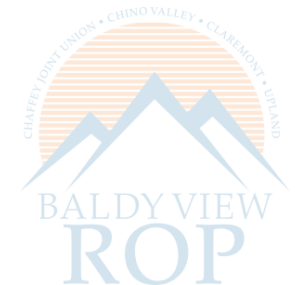


Pathway Standards

- B2.0 Understand the basic structure and function of the human body and relate normal function to common disorders.
 - B2.1 Know basic human body structure and function in relationship to specific care between prevention, diagnosis, pathology, and treatment.
 - B2.2 Describe basic stages of growth and development.
 - B2.3 Recognize common disease and disorders of the human body.
 - B2.4 Compare normal function of the human body to the diagnosis and treatment of disease and disorders.
- B5.0 Know the definition, spelling, pronunciation, and use of appropriate terminology in the healthcare setting.
 - B5.1 Use medical terminology in patient care appropriate to communicate information and observations.
 - B5.2 Accurately spell and define occupationally specific terms related to health care.
 - B5.3 Use roots, prefixes, and suffixes to communicate information.
 - B5.4 Use medical abbreviations to communicate information.
 - B5.5 Know the basic structure of medical terms.
 - B5.6 Demonstrate the correct pronunciation of medical terms.
 - B5.7 Practice word building medical terminology skills.

Common Core Standards

- LS 11-12.1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- WS 11-12.4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
- WS 11-12.6. Use technology, including the Internet, to produce, publish, and update individual or shared writing products in response to ongoing feedback, including new arguments or information.
- LS1.B: Growth and Development of Organisms
- LS1.C: Organization for Matter and Energy Flow in Organisms



RESOURCES:

Resources

1. Textbook – Chapters 6 and 9-12
2. PowerPoint Presentations



THEME: UNIT 3. PREVENTION OF DISEASE TRANSMISSION

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: 22.50 HOURS

Common Core Unit Objective

This unit of instruction will introduce the student to microbiology, the principles of disease transmission and infection, and techniques of disinfection and instrument sterilization. Students will participate in hands-on lab and clinical activities in this unit of instruction. Upon successful completion of this unit of instruction, the student will earn a certificate in Infection Control.

Key Assignments

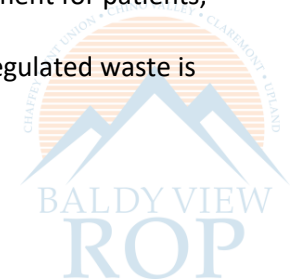
- Clinical Skills Practice: Operatory Disinfection, Instrument Sterilization, and Equipment ID and Maintenance, and Hand Washing.
- Group Research and Presentation: Current Health Issue
- Student will demonstrate hand washing technique using glo germ lotion. Then evaluate and document areas missed on hand diagram and describe and discuss implications of bacteria left on hands prior to going into oral cavity.

Anchor Standards

- 4.0 **Technology:** Use existing and emerging technology, to investigate, research, and produce products and services, including new information, as required in the sector workplace environment.
- 5.0 **Problem Solving and Critical Thinking.** Conduct short, as well as more sustained, research to create alternative solutions to answer a question or solve a problem unique to the sector using critical and creative thinking, logical reasoning, analysis, inquiry, and problem-solving techniques.

Pathway Standards

- B5.0 Know the definition, spelling, pronunciation, and use of appropriate terminology in the healthcare setting.
- B10.0 Comply with protocols and preventative health practices necessary to maintain a safe and healthy environment for patients, healthcare workers, coworkers, and self within the healthcare setting.
- B11.0 Comply with hazardous waste disposal policies and procedures, including documentation, to ensure that regulated waste is handled, packaged, stored, and disposed of in accordance with federal, state, and local regulations.



Common Core Standards

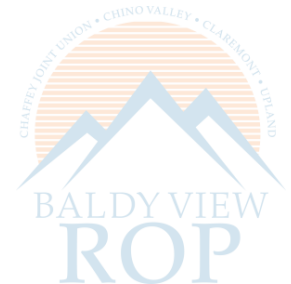
Reading:

- RRLST 11-12.1. Cite specific textual evidence to support analysis of science and technical texts, attending to important distinctions the author makes to any gaps or inconsistencies in the account.
- RRLST 11-12.3. Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.
- WS 11-12.2. Write informative/explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately through the effective selection, organization, and analysis of content.

RESOURCES:

Resources

1. Glo germ lotion
2. Ultra violet light
3. YouTube: "7 Steps of Handwashing"
4. YouTube: "Complete Guide to Handwashing Video Using Glo Germ and Light"



THEME: UNIT 4. DELIVERY OF DENTAL TREATMENT

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

This unit of instruction focuses on the pre-clinical skills and concepts need to provide quality patient care in the dental office. Emphasis is placed on the development of communication skills and the observance and practice of sound ergonomic principles during the delivery of dental care. Students will participate in hands-on lab activities in this unit of instruction.

Key Assignments

- Student will research different dental chairs from past to current styles and explain and demonstrate correct ergonomically correct positions.

Anchor Standards

- 2.0 **Communications:** Acquire and use accurately sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats as required in the sector workplace environment.
- 5.0 **Problem Solving and Critical Thinking:** Conduct short, as well as more sustained, research to create alternative solutions to answer a question or solve a problem unique to the sector using critical and creative thinking, logical reasoning, analysis, inquiry, and problem-solving techniques.
- 6.0 **Health and Safety:** Demonstrate health and safety procedures, regulations, and personal health practices and determine the meaning of symbols, key terms, and domain-specific words and phrases as related to the Health Science and Medical Technology sector workplace environment.
- 9.0 **Leadership and Teamwork:** Work with peers to promote divergent and creative perspectives, effective leadership, group dynamics, team and individual decision making, benefits of workplace diversity, and conflict resolution as practiced in the Cal-HOSA career technical student organization.
- 10.0 **Technical Knowledge and Skills:** Apply essential technical knowledge and skills common to all pathways in the Health Science and Medical Technology sector, following procedures when carrying out experiments or performing technical tasks.
- 11.0 **Demonstration and Application:** Demonstrate and apply the knowledge and skills contained in the Health Science and Medical Technology anchor standards, pathway standards, and performance indicators in classroom, laboratory, and workplace settings and through the Cal-HOSA career technical student organization.

Pathway Standards

- B2.0 Understand the basic structure and function of the human body and relate normal function to common disorders.
- B4.0 Recognize and practice components of an intake assessment relevant to patient care.
- B5.0 Know the definition, spelling, pronunciation, and use of appropriate terminology in the healthcare setting.
- B6.0 Communicate procedures and goals to patients using various communication strategies to respond to questions and concerns.
- B8.0 Demonstrate the principles of body mechanics as they apply to the positioning, transferring, and transporting of patients.
- B10.0 Comply with protocols and preventative health practices necessary to maintain a safe and healthy environment for patients, healthcare workers, coworkers, and self within the healthcare setting.

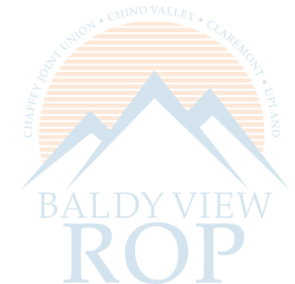
Common Core Standards

- LS 11-12.1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- LS 11-12.2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
- LS 11-12.3. Apply knowledge of language to understand how language functions in different contexts, to make effective choices for meaning or style, and to comprehend more fully when reading or listening.
- LS 11-12.4. Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grades 11–12 reading and content, choosing flexibly from a range of strategies.
- RRLST 11-12.4. Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 11-12 texts and topics.

RESOURCES:

Resources

1. PowerPoint presentation on Dental Delivery and Instrument Transfer
2. Internet research
3. Textbook – Modern Dental Assisting, Chapter 25, 32, and 33



THEME: UNIT 5. DENTAL INSTRUMENTS AND ACCESSORIES

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

This unit of instruction will introduce the students to common instruments and accessories used in the delivery of dental treatment. Students will participate in hands-on lab activities in this unit of instruction.

Key Assignments

Clinical Skills Practice: Burs and Rotary Instruments, Handpiece ID and Maintenance

Anchor Standards

10.0 **Technical Knowledge and Skills** Apply essential technical knowledge and skills common to all pathways in the Health Science and Medical Technology sector, following procedures when carrying out experiments or performing technical tasks.

Pathway Standards

B5.0 Know the definition, spelling, pronunciation, and use of appropriate terminology in the healthcare setting.

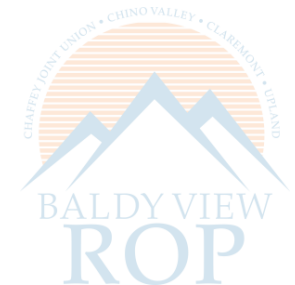
Common Core Standards

RRLST 11-12.4. Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 11-12 texts and topics

RESOURCES:

Resources

1. PowerPoint presentation – Dental instruments, Rotary Instruments and Hand pieces
2. Modern Dental Assisting Instrument book
3. Handouts – Dental Instruments



THEME: UNIT 6. MOISTURE CONTROL TECHNIQUES

ENAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

This unit of instruction will provide students with the skills necessary to assist in moisture control procedures. Students will participate in lab and clinical hands-on activities in this unit of instruction.

Key Assignments

Give a scenario including treatment and procedure. Students will determine the best isolation methods and correctly isolate an area being treated.

Anchor Standards

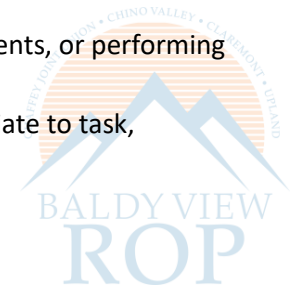
- 6.0 **Health and Safety:** Demonstrate health and safety procedures, regulations, and personal health practices and determine the meaning of symbols, key terms, and domain-specific words and phrases as related to the Health Science and Medical Technology sector workplace environment.
- 8.0 **Ethics and Legal Responsibilities:** Practice professional, ethical, and legal behavior, responding thoughtfully to diverse perspectives and resolving contradictions when possible, consistent with applicable laws, regulations, and organizational norms.

Pathway Standards

- B10.0 Comply with protocols and preventative health practices necessary to maintain a safe and healthy environment for patients, healthcare workers, coworkers, and self within the healthcare setting.

Common Core Standards

- RRLST 11-12.3. Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks; analyze the specific results based on explanations in the text.
- WS 11-12.4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.



RESOURCES:

Resources

1. DVD – “If Saliva Were Red”
2. PowerPoints – Moisture Control and Infection Control
3. Handouts – Moisture Control



THEME: UNIT 7. PREVENTATIVE DENTISTRY

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

This unit of instruction will introduce students to the causes of dental caries and periodontal disease. Methods of prevention including healthy diet, routine dental care, preventive treatment, and oral hygiene practices will be covered in this unit. Students will participate in hands-on lab activities in this unit of instruction.

Key Assignments

Clinical Skills Practice: Oral Hygiene Instruction. Role Play and Group Research and Presentation: Nutrient

Anchor Standards

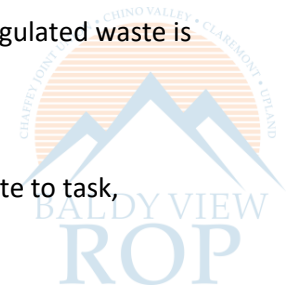
- 2.0 **Communications:** Acquire and use accurately sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats.
- 5.0 **Problem Solving and Critical Thinking:** Conduct short, as well as more sustained, research to create alternative solutions to answer a question or solve a problem unique to the sector using critical and creative thinking, logical reasoning, analysis, inquiry, and problem-solving techniques.

Pathway Standards

- B5.0 Know the definition, spelling, pronunciation, and use of appropriate terminology in the healthcare setting.
- B6.0 Communicate procedures and goals to patients using various communication strategies to respond to questions and concerns.
- B8.0 Demonstrate the principles of body mechanics as they apply to the positioning, transferring, and transporting of patients.
- B10.0 Comply with protocols and preventative health practices necessary to maintain a safe and healthy environment for patients, healthcare workers, coworkers, and self within the healthcare setting.
- B11.0 Comply with hazardous waste disposal policies and procedures, including documentation, to ensure that regulated waste is handled, packaged, stored, and disposed of in accordance with federal, state, and local regulations.

Common Core Standards

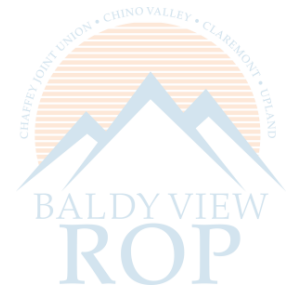
- WS 11-12.4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.



RESOURCES:

Resources

1. PowerPoint presentation – Preventive Dentistry
2. Handouts – Preventive Dentistry
3. Internet research



THEME: UNIT 8. RESTORATIVE AND COSMETIC DENTISTRY

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

Students will be introduced to the instrumentation, equipment, and materials needed to perform common restorative and cosmetic procedures in dentistry. Students will participate in hands-on lab and pre-clinical activities in this unit of instruction.

Key Assignments

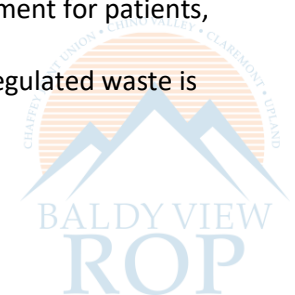
- Given a certain prepped tooth on a typodont. Student will properly set up tofflemire and matrix band and place on the tooth.
- Cavity classification – Student will prep the different classifications on plaster models. Then identify the classification and explain in

Anchor Standards

- 2.0 **Communications:** Acquire and use accurately sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats
- 10.0 **Technical Knowledge and Skills:** Apply essential technical knowledge and skills common to all pathways in the Health Science and Medical Technology sector, following procedures when carrying out experiments or performing technical tasks.

Pathway Standards

- B4.0 Recognize and practice components of an intake assessment relevant to patient care.
- B5.0 Know the definition, spelling, pronunciation, and use of appropriate terminology in the healthcare setting.
- B6.0 Communicate procedures and goals to patients using various communication strategies to respond to questions and concerns.
- B8.0 Demonstrate the principles of body mechanics as they apply to the positioning, transferring, and transporting of patients.
- B10.0 Comply with protocols and preventative health practices necessary to maintain a safe and healthy environment for patients, healthcare workers, coworkers, and self within the healthcare setting.
- B11.0 Comply with hazardous waste disposal policies and procedures, including documentation, to ensure that regulated waste is handled, packaged, stored, and disposed of in accordance with federal, state, and local regulations.



Common Core Standards

- LS 11-12.1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- RSIT 11-12.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze how an author uses and refines the meaning of a key term or terms over the course of a text.
- WS 11-12.4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose.

RESOURCES:

Resources

1. Textbook – Modern Dental Assisting, Chapter 49
2. PowerPoint – Matrix System
3. Typodont models



THEME: UNIT 9. RESTORATIVE MATERIALS AND DENTAL CEMENTS

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

Students will be introduced to common restorative materials used in dentistry. Emphasis is placed on materials preparation, placement, and disposal. Students will participate in hands-on lab activities in this unit of instruction.

Key Assignments

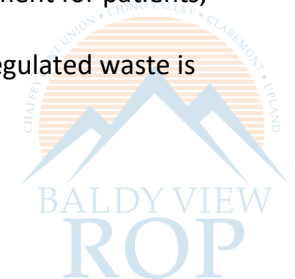
- Clinical Skills Practice: Mixing Cements, Bases, and Liners, Placement of Bases, Placement of Liners, Placement of Class II Temporary Restorations.
- Student will make a graph of all cements and their different uses, indications and contraindications.

Anchor Standards

- 2.0 **Communications:** Acquire and use accurately sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats
- 10.0 **Technical Knowledge and Skills:** Apply essential technical knowledge and skills common to all pathways in the Health Science and Medical Technology sector, following procedures when carrying out experiments or performing technical tasks.

Pathway Standards

- B4.0 Recognize and practice components of an intake assessment relevant to patient care.
- B5.0 Know the definition, spelling, pronunciation, and use of appropriate terminology in the healthcare setting.
- B6.0 Communicate procedures and goals to patients using various communication strategies to respond to questions and concerns.
- B8.0 Demonstrate the principles of body mechanics as they apply to the positioning, transferring, and transporting of patients.
- B10.0 Comply with protocols and preventative health practices necessary to maintain a safe and healthy environment for patients, healthcare workers, coworkers, and self within the healthcare setting.
- B11.0 Comply with hazardous waste disposal policies and procedures, including documentation, to ensure that regulated waste is handled, packaged, stored, and disposed of in accordance with federal, state, and local regulations.



Common Core Standards

- LS 11-12.1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- RSIT 11-12.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze how an author uses and refines the meaning of a key term or terms over the course of a text
- WS 11-12.4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

RESOURCES:

Resources

1. PowerPoint presentation – Cements, bases and liners
2. Handouts – Dental Cements
3. Textbook: Modern Dental Assisting, Chapter 15, 43, 44, and 45



THEME: UNIT 10. IMPRESSION MATERIAL AND LABORATORY PROCEDURES

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

This unit of instruction will introduce students to dental impression materials and their uses. Students will use lab materials and techniques to create a study model and custom whitening trays. Students will participate in hands-on lab and clinical activities in this unit of instruction.

Key Assignments

Clinical Skills Practice: Mixing Final Impression Material, Mixing Preliminary Impression Material, Taking a Way Bite Registration, Fabricating a Study Model, Fabricating Whitening Trays, Delivery of Whitening Trays.

Anchor Standards

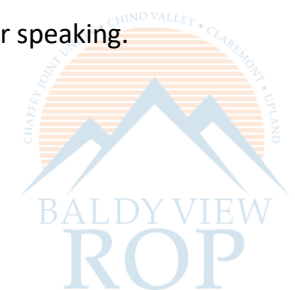
- 2.0 **Communications:** Acquire and use accurately sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats
- 4.0 **Technology:** Use existing and emerging technology, to investigate, research, and produce products and services, including new information, as required in the sector workplace environment.

Pathway Standards

- B5.0 Know the definition, spelling, pronunciation, and use of appropriate terminology in the healthcare setting.
- B6.0 Communicate procedures and goals to patients using various communication strategies to respond to questions and concerns.
- B8.0 Demonstrate the principles of body mechanics as they apply to the positioning, transferring, and transporting of patients.

Common Core Standards

- LS 11-12.1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.



RESOURCES:

Resources

1. PowerPoint – Impression Materials and Lab Procedures
2. Handouts – (Impression materials)
3. YouTube video – “Aliginate Materials and Steps”



THEME: UNIT 11. ORAL DIAGNOSIS AND TREATMENT PLANNING

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

This unit of instruction will provide the students with the skills necessary to take patient vital signs, chart conditions in the oral cavity, and take diagnostic intra and extra oral photographs. Students will participate in hands-on lab and clinical activities.

Key Assignments

Clinical Skills Practice: Periodontal Charting, Charting of Existing Conditions, Dental Photography, and Vital Signs.

Anchor Standards

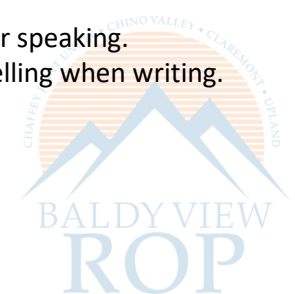
- 2.0 **Communications:** Acquire and use accurately sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats
- 4.0 **Technology:** Use existing and emerging technology, to investigate, research, and produce products and services, including new information, as required in the sector workplace environment.
- 9.0 **Leadership and Teamwork:** Work with peers to promote divergent and creative perspectives, effective leadership, group dynamics, team and individual decision making, benefits of workplace diversity, and conflict resolution as practiced in the Cal-HOSA career technical student organization.

Pathway Standards

- B4.0 Recognize and practice components of an intake assessment relevant to patient care.
- B5.0 Know the definition, spelling, pronunciation, and use of appropriate terminology in the healthcare setting.

Common Core Standards

- LS 11-12.1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- LS 11-12.2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.



RESOURCES:

Resources

Resources



THEME: UNIT 12. CARDIOPULMONARY RESUSCITATION AND MEDICAL EMERGENCIES IN THE DENTAL OFFICE

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

Students will follow the curriculum established by the American Heart Association to earn CPR certification. Students will learn how to recognize the signs and symptoms of medical emergencies in the dental office and how to respond to such events.

Key Assignments

Earn Health Care Provider Level certification in CPR. Role Play and Group Research and Presentation: Disease.

Anchor Standards

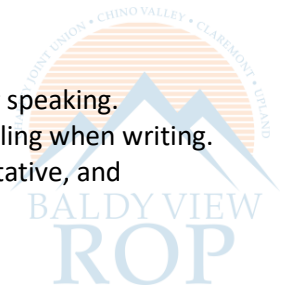
- 2.0 **Communications:** Acquire and use accurately sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats
- 4.0 **Technology:** Use existing and emerging technology, to investigate, research, and produce products and services, including new information, as required in the sector workplace environment.
- 6.0 **Health and Safety:** Demonstrate health and safety procedures, regulations, and personal health practices and determine the meaning of symbols, key terms, and domain-specific words and phrases as related to the Health Science and Medical Technology sector workplace environment.

Pathway Standards

- B10.0 Comply with protocols and preventative health practices necessary to maintain a safe and healthy environment for patients, healthcare workers, coworkers, and self within the healthcare setting.
- B11.0 Comply with hazardous waste disposal policies and procedures, including documentation, to ensure that regulated waste is handled, packaged, stored, and disposed of in accordance with federal, state, and local regulations.

Common Core Standards

- LS 11-12.1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- LS 11-12.2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
- RSIT 11-12.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical.



RESOURCES:

Resources

Resources



THEME: UNIT 13. PHARMACOLOGY AND PAIN CONTROL

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

This unit of instruction will introduce the student to medication commonly used in dentistry. Topics include anesthesia, drug dosage, and regulatory agencies. Students will participate in hands-on lab and clinical activities.

Key Assignments

Clinical Skills Practice: Topical Anesthetic Placement, Aspirating Syringe Pass/Load, Assisting with Nitrous Oxide Administration.
Research and Presentation: Pharmacology

Anchor Standards

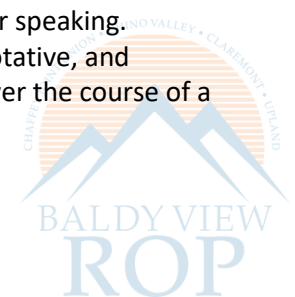
2.0. **Communications:** Acquire and use accurately sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats

Pathway Standards

- B8.0 Demonstrate the principles of body mechanics as they apply to the positioning, transferring, and transporting of patients.
- B10.0 Comply with protocols and preventative health practices necessary to maintain a safe and healthy environment for patients, healthcare workers, coworkers, and self within the healthcare setting.
- B11.0 Comply with hazardous waste disposal policies and procedures, including documentation, to ensure that regulated waste is handled, packaged, stored, and disposed of in accordance with federal, state, and local regulations.

Common Core Standards

- LS 11-12.1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- RSIT 11-12.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze how an author uses and refines the meaning of a key term or terms over the course of a text.



RESOURCES:

Resources

Resources



THEME: UNIT 14. DENTAL SPECIALITIES

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

This unit of instruction will introduce students to the currently recognized dental specialties. Topics include educational requirements, and specialized equipment materials, and procedures.

Key Assignments

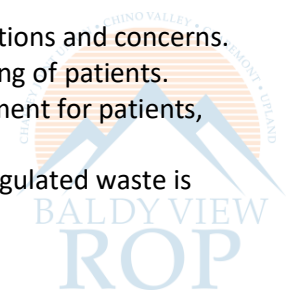
Clinical Skills Practice: Procedure Tray Assembly, Assisting in Specialized Procedures, Periodontal Dressing, Temporary Crown Fabrication, Suture Removal, Orthodontic Skills Procedures. Group Research and Presentation: Dental Specialities.

Anchor Standards

- 2.0 **Communications:** Acquire and use accurately sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats
- 4.0 **Technology:** Use existing and emerging technology, to investigate, research, and produce products and services, including new information, as required in the sector workplace environment.
- 9.0 **Leadership and Teamwork:** Work with peers to promote divergent and creative perspectives, effective leadership, group dynamics, team and individual decision making, benefits of workplace diversity, and conflict resolution as practiced in the Cal-HOSA career technical student organization.
- 10.0 **Technical Knowledge and Skills:** Apply essential technical knowledge and skills common to all pathways in the Health Science and Medical Technology sector, following procedures when carrying out experiments or performing technical tasks.

Pathway Standards

- B5.0 Know the definition, spelling, pronunciation, and use of appropriate terminology in the healthcare setting.
- B6.0 Communicate procedures and goals to patients using various communication strategies to respond to questions and concerns.
- B8.0 Demonstrate the principles of body mechanics as they apply to the positioning, transferring, and transporting of patients.
- B10.0 Comply with protocols and preventative health practices necessary to maintain a safe and healthy environment for patients, healthcare workers, coworkers, and self within the healthcare setting.
- B11.0 Comply with hazardous waste disposal policies and procedures, including documentation, to ensure that regulated waste is handled, packaged, stored, and disposed of in accordance with federal, state, and local regulations.



Common Core Standards

- LS 11-12.1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- RSIT 11-12.4. Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 11-12 texts and topics.
- WS 11-12.4. Produce clear and coherent writing in which the development, organization and style are appropriate to task, purpose and audience.

RESOURCES:

Resources

Resources



THEME: UNIT 15. DENTAL RADIOLOGY

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

This unit of instruction will prepare the student to take the DBC approved Radiation Health and Safety examination. Upon successful completion of this unit of instruction, the student will earn a certificate in Radiation Health and Safety. Students will participate in hands-on lab and clinical activities.

Key Assignments

- Complete all skills and examinations as prescribed by the DBC to earn certificate in Radiation Health and Safety.

Anchor Standards

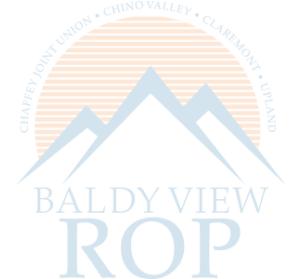
- 2.0 **Communications:** Acquire and use accurately sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats

Pathway Standards

- B4.0 Recognize and practice components of an intake assessment relevant to patient care.
B5.0 Know the definition, spelling, pronunciation, and use of appropriate terminology in the healthcare setting.
B6.0 Communicate procedures and goals to patients using various communication strategies to respond to questions and concerns.

Common Core Standards

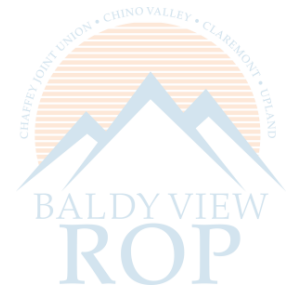
- RIST 11-12.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze how an author uses and refines the meaning of a key term or terms over the course of a text.



RESOURCES:

Resources

Resources



THEME: UNIT 16. CORONAL POLISHING

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

This unit of instruction will prepare the student to take the DBC approved Coronal Polishing examination. Upon successful completion of this unit of instruction, the student will earn a certificate in Coronal Polishing. Students will participate in hands-on lab and clinical activities.

Key Assignments

Complete all skills and examinations as prescribed by the DBC to earn certificate in Coronal Polishing

Anchor Standards

2.0 **Communications:** Acquire and use accurately sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats

Pathway Standards

B4.0 Recognize and practice components of an intake assessment relevant to patient care.

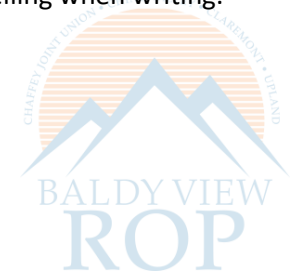
B5.0 Know the definition, spelling, pronunciation, and use of appropriate terminology in the healthcare setting.

B10.0 Comply with protocols and preventative health practices necessary to maintain a safe and healthy environment for patients, healthcare workers, coworkers, and self within the healthcare setting.

Common Core Standards

LS 11-12.1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.

LS 11-12.2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.



RESOURCES:

Resources

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THEME: UNIT 17. PIT AND FISSURE SEALANT APPLICATION

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

This unit of instruction will prepare the student to take the DBC approved Pit and Fissure Sealant Application examination. Upon successful completion of this unit of instruction, the student will earn a certificate in Pit and Fissure Sealant Application. Students will participate in hands-on lab and clinical activities.

Key Assignments

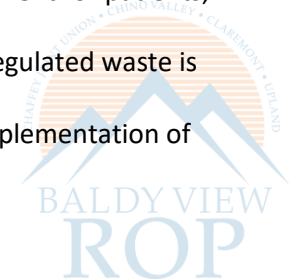
Complete all skills and examinations as prescribed by the DBC to earn certificate in Pit and Fissure Sealant Application.

Anchor Standards

11.0 **Demonstration and Application:** Demonstrate and apply the knowledge and skills contained in the Health Science and Medical Technology anchor standards, pathway standards, and performance indicators in classroom, laboratory, and workplace settings and through the Cal-HOSA career technical student organization.

Pathway Standards

- B4.0 Recognize and practice components of an intake assessment relevant to patient care.
- B5.0 Know the definition, spelling, pronunciation, and use of appropriate terminology in the healthcare setting.
- B6.0 Communicate procedures and goals to patients using various communication strategies to respond to questions and concerns.
- B7.0 Apply observation techniques to detect changes in the health status of patients.
- B8.0 Demonstrate the principles of body mechanics as they apply to the positioning, transferring, and transporting of patients.
- B9.0 Implement wellness strategies for the prevention of injury and disease
- B10.0 Comply with protocols and preventative health practices necessary to maintain a safe and healthy environment for patients, healthcare workers, coworkers, and self within the healthcare setting.
- B11.0 Comply with hazardous waste disposal policies and procedures, including documentation, to ensure that regulated waste is handled, packaged, stored, and disposed of in accordance with federal, state, and local regulations.
- B12.0 Adhere to the roles and responsibilities, within the scope of practice, that contributes to the design and implementation of treatment planning.



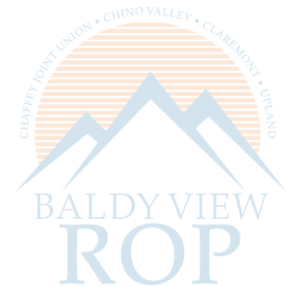
Common Core Standards

- LS 11-12.1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- RSIT 11-12.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze how an author uses and refines the meaning of a key term or terms over the course of a text
- WS 11-12.4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

RESOURCES:

Resources

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THEME: UNIT 18. DENTAL PRACTICE ACT RULES AND REGULATIONS

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

This unit of instruction will prepare the student to take the Law and Ethics portion of the DBC Registered Dental Assistant licensing exam. Upon successful completion of this unit of instruction, the student will earn a certificate in California Dental Practice Act. Students will participate in hands-on lab and clinical activities.

Key Assignments

Complete all skills and examinations as prescribed by the DBC to earn certificate in California Dental Practice Act. Case Study Review.

Anchor Standards

- 2.0 **Communications:** Acquire and use accurately sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats
- 7.0 **Responsibility and Flexibility:** Initiate, and participate in a range of collaborations demonstrating behaviors that reflect personal and professional responsibility, flexibility, and respect in the Health Science and Medical Technology sector workplace environment and community settings.
- 8.0 **Ethics and Legal Responsibilities:** Practice professional, ethical, and legal behavior, responding thoughtfully to diverse perspectives and resolving contradictions when possible, consistent with applicable laws, regulations, and organizational norms.



Pathway Standards

- B4.0 Recognize and practice components of an intake assessment relevant to patient care.
- B5.0 Know the definition, spelling, pronunciation, and use of appropriate terminology in the healthcare setting.
- B6.0 Communicate procedures and goals to patients using various communication strategies to respond to questions and concerns.
- B7.0 Apply observation techniques to detect changes in the health status of patients.
- B8.0 Demonstrate the principles of body mechanics as they apply to the positioning, transferring, and transporting of patients.
- B9.0 Implement wellness strategies for the prevention of injury and disease
- B10.0 Comply with protocols and preventative health practices necessary to maintain a safe and healthy environment for patients, healthcare workers, coworkers, and self within the healthcare setting.
- B11.0 Comply with hazardous waste disposal policies and procedures, including documentation, to ensure that regulated waste is handled, packaged, stored, and disposed of in accordance with federal, state, and local regulations.
- B12.0 Adhere to the roles and responsibilities, within the scope of practice, that contributes to the design and implementation of treatment planning.

Common Core Standards

- LS 11-12.1. Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- LS 11-12.2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing

RESOURCES:

Resources

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THEME: UNIT 19. CAREER PLANNING

ENGAGING TITLE:

ESSENTIAL QUESTION: *Enter Essential Question*

INSTRUCTIONAL HOURS: *Enter total course hours spent on section*

Common Core Unit Objective

The focus of this unit of instruction is to prepare the student for employment and introduce them to additional educational opportunities related to careers in dentistry. Students will prepare a portfolio, which includes the components necessary to obtain employment.

Key Assignments

Portfolio Creation, Role Playing: Interviewing and Telephone Etiquette.

Anchor Standards

2.0 **Communications:** Acquire and use accurately sector terminology and protocols at the career and college readiness level for communicating effectively in oral, written, and multimedia formats

Pathway Standards

B5.0 Know the definition, spelling, pronunciation, and use of appropriate terminology in the healthcare setting.

Common Core Standards

- LS 11-12.2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.
- RSIT 11-12.4. Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze how an author uses and refines the meaning of a key term or terms over the course of a text
- WS 11-12.4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.



RESOURCES:

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