

Subject	Author/CC	Booster Title & Course ID
Genetics	Cleo Rolle CCC	<p>Agarose Gel Electrophoresis            CCC_Booster_Agarose_Gel_Electrophoresis_Crolle</p> <p>This booster explores the experimental basis of agarose gel electrophoresis for the separation of DNA fragments. Students begin by learning about the properties of agarose and the benefits of using various % agarose gels. Other factors that influence the migration and resolution of DNA bands are also discussed.</p> <p>This booster is best suited for students that have a working knowledge of the structure of DNA.</p>
Biology	Patrick Bryan MxCC	<p>Amino Acids and Peptide Bonds            MxCC_Booster_Amino_Acids_and_Peptide_Bonds_Pbryan</p> <p>In this module we will review the structure of an amino acid, look at the difference between the amino acids, and demonstrate how a peptide bond forms between two amino acids to create a peptide polymer.</p>
Ecology	Lynn McCartin GWCC	<p>An Investigation of Acid Rain            GWCC_Booster_Acid_Rain_LMcCartin</p> <p>This booster module is an investigation into acid rain. We will discuss how acid rain forms, determine the effects of acid rain on ecosystems and investigate what is being done about acid rain.</p>
Ecology	Lynn McCartin GWCC	<p>An Investigation of the Water (Hydrologic) Cycle            GWCC_Booster_An_Investigation_of_the_Water_Hydrologic_Cycle_LMcCartin</p> <p>This booster module is an investigation into the water cycle, its parts, and how it works.</p>
Nursing	Dottie Lay NCC	<p>Antepartum Nursing, Part 1            NCC_Booster_Antepartum_Nursing_Part_1_Dlay</p> <p>In this booster, you will learn to educate the patient about what to expect throughout pregnancy, discuss lab tests and administer safe care to the uncomplicated antepartum patient.</p>

Nursing	Dottie Lay NCC	Antepartum Nursing, Part 2 NCC_Booster_Antepartum_Nursing_Part_2_Dlay In this booster, you will learn to educate the patient about what to expect throughout pregnancy, discuss lab tests and administer safe care to the uncomplicated antepartum patient.
Microbiology	Cristina Roche MxCC	Bacterial Cell Wall MxCC_Booster_Bacterial_Cell_Wall_Croche This module discusses the differences in cell wall composition of Gram positive, Gram negative, Acid fast, and other types of bacteria as well as other organisms. It also explains each step of the Gram stain and Acid fast procedure.
Algebra	NCC	Basic Algebra NCC_Booster_Basic_Algebra In this booster, we discuss basic algebra. Topics covered include: variables, equations, order of operations, substitution, algebraic expressions and laws.
Nursing	Susan Levine GWCC	Basic Cardiac Rhythm Interpretation GWCC_Booster_Basic_Cardiac_Rhythm_Interpretation_Slevine This booster provides practice of some of the most common cardiac dysrhythmias. What you will see in this booster is the rhythms produced by the electricity that is generated within the cardiac cells. A repetitive step by step approach can help you systematically analyze each heart rhythm for interpretation.
Student Skills	Larry Salay GWCC	Basic Computer Navigation GWCC_Booster_Basic_Computer_Navigation_Lsalay In this booster, we will discuss basic computer navigation. We will review the tools that enable you to use a computer and introduce you to the basic elements and functions of a Windows desktop.
Physics	NCC	Basic Physics NCC_Booster_Basic_Physics In this booster, we will discuss Basic Physics. We will practice physics problems as well as discuss major concepts.

Human Biology	Alexander Reiss MCC	Basics of Neurocircuits MCC_Booster_Basics_of_Neurocircuits_Areiss In this booster, we will discuss the basics of Neurocircuits. We will start with the basics of a synapse where we will see how information is moved from one cell to another. Then we will examine how it's the pattern of action potentials that conveys information just like Morse code.
Human Biology	James Clark MCC	Bone Physiology & Remodeling MCC_Booster_Bone_Physiology__Remodeling_Jclark This booster will take you through concepts of bone physiology and remodeling, looking into how bones develop their ability to resist various forces placed on them and means that they adapt via the principles of Wolff's Law. And how this principle governs the remodeling and formation of more, or less, robust bone tissue based on the homeostatic disruptions that result from activity.
Human Biology	Louise Petroka GWCC	Brain Anatomy GWCC_Booster_Brain_Anatomy_Lpetroka This booster is to assist you in learning the anatomy of the brain. Students will identify and label various structures of the brain.
Medical Coding	Corinne Fisher GWCC	CABGs: Coronary Artery Bypass Graft coding GWCC_Booster_CABGs_Coronary_Artery_Bypass_Graft_Coding_Cfisher In this booster, we will learn to use CPT-4 codes to code Coronary Artery Bypass Grafts.
Biology	Pauline Lizotte MCC	Carbohydrate Structure and Digestion MCC_Booster_Carbohydrate_Structure_and_Digestion_Plizotte This module will review carbohydrate structure and digestion and is designed to help you review the structural differences among monosaccharides, disaccharides and polysaccharides.
Nursing	Susan Levine GWCC	Cardiac Conduction System GWCC_Booster_Cardiac_Conduction_System_Slevine The following booster provides a brief overview of the electrical conduction system of the heart. This foundation leads to a greater understanding of electrical disturbances that cause a variety of cardiac dysrhythmias.

Human Biology	Christina Alevras MCC	Cardiopulmonary Circulation MCC_Booster_Cardiopulmonary_Circulation_Christina_Alveras This booster will provide a lesson on the anatomy of the heart along with the major pathways of blood flow through the heart and the body.
Human Biology	Anthony Brown NCC	Cardiovascular System, Part 1 NCC_Booster_Cardiovascular_System_Part_1_Abrown This booster gives an overview of the cardiovascular system. We will cover blood, the heart and blood vessels.
Human Biology	Anthony Brown NCC	Cardiovascular System, Part 2 NCC_Booster_Cardiovascular_System_Part_2_Abrown This booster gives an overview of the cardiovascular system. We will cover the heart and blood vessels.
Genetics	Jackson Laboratories JAX	Careers in BioTechnology and Genomics JAX_Booster_Careers_in_BioTech_and_Genomics This booster will introduce you to career opportunities in BioTechnology and Genomics.
Veterans	VETS	Cultural Training for Vets to Be Successful VETS_Booster_Cultural_Training_for_Vets_to_be_Successful In this booster, we discuss the importance for VETs to return to college, the difference between military life and campus life and time management, networking opportunities and study tips.
Chemistry	Laura Racine NCC	Density: What is Density and How to Use Density in Calculations NCC_Booster_Density_What_is_density_and_how_to_use_density_in_calculations_Lracine This booster is designed to teach the density concept and how to perform calculations using density.
Physical Therapy	Jennifer Bresnick NCC	Documentation for PT Students: Introduction to the Medical Record and Documentation NCC_Booster_Documentation_for_PT_Students_Intro_Medical_Record_and_Documentation_Jbresnick This booster will assist the physical therapy student in learning to write effective and efficient notes in the medical record.

Physical Therapy	Jennifer Bresnick NCC	Documentation for PT Students: Physical Therapy Documentation in Practice NCC_Booster_Documentation_for_PT_Students_Physical_Therapy_Doc_in_Practice_Jbresnick This booster will assist the physical therapy student in learning to write effective and efficient notes in the medical record.
Physical Therapy	Jennifer Bresnick NCC	Documentation for PT Students: Physical Therapy Specific Documentation and the SOAP Note Format NCC_Booster_Documentation_for_PT_Students_Physical_Therapy_Specific_Doc_SOAP_Note_Jbresnick This booster teaches students about specific physical therapy notes commonly found in the medical record and the SOAP note.
Ecology	Kate Miller MxCC	Ecology Case Study - Bats and WNS MxCC_Booster_Ecology_Case_Study__Bats_and_WNS_Kmiller We will cover an ecology case study on bats and white noise syndrome.
Ecology	Lynn McCartin GWCC	Ecology: Ecosystems, Habitats and Niches GWCC_Booster_Ecosystems_Habitats_and_Niches_LMcCartin This booster is designed to provide an overview of some basic aspects of the science of Ecology.
Exercise Science	Nicole Hafner NCC	Electrocardiogram (ECG) Subject Preparation NCC_Booster_Electrocardiogram_ECG_Subject_Preparation_Nhafner This booster discusses what an Electrocardiogram (ECG) does and teaches students to prep a subject for an ECG assessment.
Human Biology	Cara Case GWCC	Embryology of Genitourinary System GWCC_Booster_Embryology_of_Genitourinary_System_Ccace This booster provides an overview of the development of the urinary system, comprised of the kidneys, ureter, and bladder. It also covers the male and female genital formation
Human Biology	Cara Case GWCC	Embryology of GI Tract GWCC_Booster_Embryology_of_GI_Tract_Ccace This booster is meant as a brief overview of the development of the GI tract for the allied healthcare student.

Human Biology	Cara Case GWCC	Embryology of the Brain GWCC_Booster_Embryology_of_the_Brain_Ccace This booster is designed as a short overview of the brain development for the allied health student.
Human Biology	Cara Case GWCC	Embryology of the Heart GWCC_Booster_Embryology_of_the_Heart_Ccace This booster is a brief overview of embryology of the heart and is intended for the allied health student needing an introduction to embryology of the heart.
Human Biology	Louise Petroka GWCC	Endocrine Anatomy GWCC_Booster_Endocrine_Anatomy_Lpetroka This booster covers the anatomy of endocrine system using videos and a presentation on the microscopic anatomy. Also contained in this module are images for labeling.
Nutrition	Todd Degree GWCC	Energy Expenditure Equations GWCC_Booster_Energy_Expenditure_Equations_Tdegree This booster was created for students to review and better prepare to successfully complete the energy expenditure equations taught in Exercise Programing and Design.
Biology	Jessica Zolciak MCC	Enzymes MCC_Booster_Enzymes_Jessica_Zolciak This booster module will examine the basic concepts of enzymes and their regulation.
Medical Coding	Corinne Fisher GWCC	Evaluation and Management Coding - Critical Care and Other Codes GWCC_Booster_Eval_and_Management_Coding_Critical_Care_and_Other_Codes_Cfisher This booster covers Evaluation and Management coding for Critical Care and other E&M codes.
Medical Coding	Louise Petroka GWCC	Evaluation and Management Coding - Levels of Service GWCC_Booster_Eval_and_Management_Levels_of_Service_Cfisher In this booster, you will learn to identify the correct CPT-4 codes that report services rendered by various types of providers.

Physical Therapy	Jennifer Bresnick NCC	Evidence-Based Practice For The Allied Health Professional, Part 1 NCC_Booster_Evidence_Based_Practice_for_the_Allied_Health_Professional_Part_1_Jbresnick This booster explores Evidence-Based Practice. We will discuss various types of scientific research and relevant terms related to evidence-based practice.
Physical Therapy	Jennifer Bresnick NCC	Evidence-Based Practice For The Allied Health Professional, Part 2 NCC_Booster_Evidence_Based_Practice_for_the_Allied_Health_Professional_Part_2_Jbresnick In this booster, we list the steps involved in the critical review of a scientific research article. We will also discuss the relationship between critical review of research articles and evidence-based practice for the allied health professional.
Excel	Kate Miller MxCC	Excel for Science, Part 1 MxCC_Booster_Part_I_Excel_for_Inquiry_Based_Science_Kmiller The purpose of this module is to introduce students to using Excel for entering and manipulating scientific data, including from their own lab activities and/or study. Students will learn the basics of Excel through short tutorials, PowerPoints and use of a workbook.
Excel	Kate Miller MxCC	Excel for Science, Part 2 MxCC_Booster_Part_II_Excel_for_Inquiry_Based_Science_Kmiller Students will learn about the statistics needed to determine whether or not there is a significant difference between the averages of two groups (means test, average, standard deviation and Student's t test).
Excel	Sheri Valentine GWCC	Excel: Business Uses GWCC_Booster_Excel_Business_Uses_Svalentin This module covers the most common ways that Excel 2013 is utilized in the business world.
Excel	Sheri Valentine GWCC	Excel: Formula and Functions GWCC_Booster_Excel_Formula_and_Functions_Svalentin This booster covers basic formulas and functions in Excel 2013.

Basic Math/Pre-Algebra	Bujar Konjusha CCC	Fractions: Operations and Applications, Part 1 CCC_Booster_Fractions_Operations_and_Applications_Part1_Bkonjusha This booster introduces students to the fundamentals of fractions and operations with fractions.
Basic Math/Pre-Algebra	Bujar Konjusha CCC	Fractions: Operations and Applications, Part 2 CCC_Booster_Fractions_Operations_and_Applications_Part_2_Bkonjusha This booster introduces students to the fundamentals of fractions and operations with fractions. The student will add, subtract, multiply, and divide fractions and mixed numbers.
Human Biology	Norman Abell GWCC	Functions of the Nervous System GWCC_Booster_Functions_of_the_Nervous_System_Nabell In this booster, we will investigate the functions of the nervous system.
Human Biology	Alexander Reiss MCC	Generation and Maintenance of Membrane Potential MCC_Booster_Generation_and_Maintenance_of_Membrane_Potential_Areiss In this booster you will learn about generation and maintenance of membrane potential.
Genetics	Cleo Rolle CCC	Genetic Mutations CCC_Booster_GeneticMutations_Crolle This booster will explore genetic mutations and their potential to cause diseases. It includes a brief introduction to DNA, genes and chromosomes.
Genetics	Jackson Laboratories JAX	Genetics vs. Genomics JAX_Booster_Genetics_vs_Genomics In this booster, we will discuss genetics and genomics, what they are, how they are different, the purpose of each, and the relationship between the two.
Ecology	Lynn McCartin GWCC	Global Warming GWCC_Booster_Global_Warming_LMcCartin This booster investigates the greenhouse effect and global warming.
Human Biology	Harvey Wiener MCC	Glycolysis MCC_Booster_Glycolysis_Hwiener In this booster, you will learn about glycolysis. We discuss the steps of glycolysis, how glycolysis is regulated and how ATP is generated.



Human Biology	Alexander Reiss MCC	Graded Potentials and Action Potentials MCC_Booster_Graded_Potentials_and_Action_Potentials_Areiss In this booster, we discuss graded potentials and action potentials.
Nutrition	Dominique Doris Pamela Galasso GWCC	Guidelines for a Flawless Performance GWCC_Booster_Guidelines_for_a_Flawless_Performance In this booster you will learn to develop a successful nutrition presentation, create your own learning objectives and assess and evaluate your presentation.
Human Biology	Louise Petroka GWCC	Heart Anatomy GWCC_Booster_Heart_Anatomy_Lpetroka This module contains videos of various heart models and a heart dissection. Also contained in this module are images of the model for labeling.
Human Biology	James Clark MCC	Hormones: Mechanisms of Action and Regulation MCC_Booster_Hormones_Mechanisms_of_Action_and_Regulation_Jclark We will delve into how hormones serve in communicating within and between cells, interact at specific cells (called target tissues) to regulate a number of metabolic processes, maintain homeostasis. We will also discuss what happens if there is too much hormone and not enough stress that would have caused the hormone to be released.
General Science	Kate Miller MxCC	How to Design a Scientific Study MxCC_Booster_How_to_Design_a_Scientific_Study_Kmiller The purpose of this booster module is to provide the information necessary for students to create and conduct their own study. It covers the steps and logic of the scientific process, important terms and concepts (independent and dependent variable, hypothesis, sample size, etc.) and takes them through the components and steps of designing a scientific study.
General Science	Madhavi Shah MxCC	How to Make a Scientific Poster MxCC_Booster_How_to_Make_a_Scientific_Poster_Mshah In this booster, we discuss how to make a scientific poster.
Biology	Cindy Seiwert MCC	Hydrogen Bonding: Part 1 MCC_Booster_Hydrogen_Bonds_Part_1_Cseiwert In this booster we discuss hydrogen bonding. We discuss charge, electrostatics, and chemical bonding as well as electronegativity and polar bonds.

Biology	Cindy Seiwert MCC	Hydrogen Bonding: Part 2 MCC_Booster_Hydrogen_Bonds_Part_2_Cseiwert In this booster we discuss hydrogen bonding. We describe the role hydrogen bonding plays in DNA structure and replication and well as the role hydrogen bonding plays in protein structure.
Student Skills	LIB	Information Literacy and Research Skills LIB_Booster_Information_Literacy_and_Research_Skills In this booster, we will discuss information literacy and research skills. Students will learn to locate, evaluate, and use information in a way that is useful to their needs.
Chemistry	Laura Racine NCC	Intermolecular Forces and the Effect on Physical Properties of Boiling Point and Vapor Pressure NCC_Booster_Intermolecular_Forces_Lracine This booster will introduce the concept and application of intermolecular attractive forces.
General Science	Carol Oliveri MCC	Introduction to the Microscope MCC_Booster_Introduction_to_the_Microscope_Coliveri This booster explains the parts of the microscope and their function, and concepts such as Magnification, Contrast, Working Distance, Resolution, Field of View, and Depth of Field. You will discover how to successfully focus and view a specimen using progressively higher magnification lenses, including the additional steps that using the Oil Immersion Objective Lens requires.
Physics	Mark Busa MxCC	Inverse Square Law MxCC_Booster_Inverse_Square_Law_Mbusa The content of this booster learning module will introduce you to linear and inverse square functions, and how they are used to model a typical physical phenomena that behaves linearly, inversely and by the inverse square.
Human Biology	Harvey Wiener MCC	Krebs (Citric Acid) Cycle MCC_Booster_Krebs_Citric_Acid_Cycle_Hwiener This module reviews the Krebs cycle and its central role in metabolism.
General Science	Betty Riedinger & Kim Thomas & Kate Miller MxCC	Lab Safety MxCC_Booster_Lab_Safety This booster discusses lab safety. It teaches you about hazards, safety procedures, ways to protect yourself and prevent exposure.

Algebra	Andre Freeman CCC	<p>Linear Functions            CCC_Booster_Linear_Functions_Afreeman</p> <p>In this booster, we explore linear functions. We will recognize the various forms of linear functions, find solutions of a linear equation in two variables, use linear functions to solve real world problems and graph linear functions using the table method, intercept method, and the slope &amp; y-intercept method.</p>
Measurement	Bujar Konjusha CCC	<p>Linear Measurements            CCC_Booster_Linear_Measurements_Bkonjusha</p> <p>In this booster we will describe linear measurement in the Metric System, U.S. Customary System and linear measurement equivalents on both systems.</p>
Human Biology	Pauline Lizotte MCC	<p>Lipid Structure and Digestion            MCC_Booster_Lipid_Structure_and_Digestion_Plizotte</p> <p>This module will review lipid structure, function, and digestion and is designed to help you review the structural differences among the various lipids.</p>
Math for Health Science	Chris Hamelin MCC	<p>Long Division with Respiratory Care Applications            MCC_Booster_Long_Division_with_Respiratory_Care_Applications_Chamelin</p> <p>This booster module provides an overview of the procedures necessary to perform long division by hand. It begins with long division of two whole numbers. As you progress, you will be introduced to long division where one or both numbers are decimals. Furthermore, it provides some problems involving long division from the field of respiratory care.</p>
Biology	Christina Alevras MCC	<p>Mechanisms of Transport Using the Neuron as a Model Cell            MCC_Booster_Mechanisms_of_Transport_Using_the_Neuron_as_a_Model_Cell_Calevras</p> <p>This booster module focuses on the study of transport in the context of the neuron allowing for a generalized understanding of the generation and maintenance of the resting membrane potential as well as the generation of an action potential, two processes that are dependent on the transportation of ions across the neuronal cell membrane for their realization.</p>
Nursing	Carol Yoder NCC	<p>Medical Math &amp; Dosage Calculations for the Health Care Worker, Part 1            NCC_Booster_Medical_Math_Dosage_Calculations_for_the_Health_Care_Worker_Part_1_Cyoder</p> <p>In this module you will learn the basics of Medical Math and how to calculate basic medication dosages.</p>

Nursing	Carol Yoder NCC	<p>Medical Math &amp; Dosage Calculations for the Health Care Worker, Part 2  NCC_Booster_Medical_Math_Dosage_Calculations_for_the_Health_Care_Worker_Part_2_Cyoder</p> <p>In this module you will learn the basics of Medical Math and how to calculate basic medication dosages. We cover the three methods for calculating simple dosages from physician orders: ratio and proportion, dimensional analysis and simple formulas.</p>
Genetics	Kate McDonald MCC	<p>Mendelian Genetics  MCC_Booster_Mendelian_Genetics_KMcDonald</p> <p>This module will review the basic concepts of Mendelian genetics and monohybrid Punnett squares. Concepts such as dominant and recessive alleles, genotype and phenotype, and homozygous and heterozygous genotypes will be discussed. In addition, the relationship between each of these concepts will be examined. Finally, Punnett squares will be discussed, including how to set up and solve them.</p>
Genetics	Jon Morris MxCC	<p>Mendel's Laws of Segregation and Independent Assortment  MxCC_Booster_Mendel_s_Laws_of_Segregation_and_Independent_Assortment_Jmorris</p> <p>This module will review Mendel's research, focusing on concepts needed to understand his Law of Segregation and his Law of Independent Assortment. Once these concepts have been reviewed there will be opportunities to apply this understanding to solve genetic problems that predict the probabilities of various outcomes of genetic crosses.</p>
Human Biology	Nicole Hafner NCC	<p>Metabolic Calculations  NCC_Booster_Metabolic_Calculations_Nhafner</p> <p>In this booster, students will learn the purpose behind metabolic calculations, when to use the appropriate metabolic calculation for the activity performed, complete appropriate conversions and complete appropriate metabolic calculations.</p>
Biology	Kate McDonald MCC	<p>Mitosis  MCC_Booster_Mitosis_Kmcdonald</p> <p>This module will review the phases of Mitosis and the major events and transitions involved in each phase.</p>

Genetics	Cleo Rolle CCC	Molecular Cloning and Plasmids CCC_Booster_Molecular_Cloning_and_Plasmids_Crolle This booster will explore the process of molecular cloning and its application in the production of recombinant proteins.
Human Biology	Cristina Roche MxCC	Muscular system: Muscle Physiology MxCC_Booster_Muscular_System_Muscle_Physiology_Croche In this module, you will learn how skeletal muscles initiate and produce movement.
Human Biology	Cristina Roche MxCC	Muscular system: Type of Skeletal Muscles MxCC_Booster_Muscular_System_Types_of_Skeletal_Muscles_Croche This module will help you review the function and location of the major skeletal muscles.
Human Biology	Cristina Roche MxCC	Muscular system: Muscular Tissue MxCC_Booster_Muscular_System_Muscular_Tissue_Croche In this booster module, we will discuss the muscle system and muscle tissue. We will describe the general functions of muscular tissue and distinguish the 3 types of muscular tissue.
Biology	Paul F. Whitehead CCC	Natural Selection and Adaptation CCC_Booster_Natural_Selection_and_Adaptation_Pwhitehead In this booster, you learn about Natural Selection and Adaptation. We discuss levels of selection, methods of study, modes of selection and kinds of adaption.
Genetics	Jackson Laboratories JAX	Next Generation Sequencing JAX_Booster_Next_Generation_Sequencing In this booster, you will learn about key discoveries leading to DNA sequencing and sequencing technologies.
Chemistry	Raynaldo Scarlett CCC	Nomenclature: Ionic Compounds and Molecular Compounds CCC_Booster_Nomenclature_Ionic_Compounds_and_Molecular_Compounds_Rscarlett In this module, we will be introducing the essential skills needed to name ionic and molecular compounds. Our learning objectives are to understand how ionic and covalent bonds are determined via valence electrons, to identify a cation and an anion within a chemical formula, to identify and name ionic compounds, and to identify and name molecular compounds.

Genetics	Kate McDonald MCC	Non-Mendelian Genetics MCC_Booster_Non_Mendelian_Genetics_McDonald This module will review some non-Mendelian genetics concepts including co-dominance, incomplete dominance, and sex-linked traits. The relationship between genotype and phenotype for each concept will be discussed. In addition, solving each type of genetics problems with Punnett Squares will be reviewed.
Student Skills	NCC	Note-taking Strategies for STEM Courses NCC_Booster_Note_taking_Strategies_for_STEM_Courses_MBL In this booster, we will discuss note-taking strategies for STEM Courses.
Biology	Bettina Vossbrinck GWCC	Nucleic Acids GWCC_Booster_Nucleic_Acids_Bvossbrinck In this booster you will learn about the structure, function, and properties of nucleic acids, and the differences between DNA and RNA.
Nutrition	Dominique Doris GWCC	Nutritional Math: Clinical Math Equations GWCC_Booster_Nutritional_Math_Clinical_Math_Equations_Ddoris This booster is designed to help you practice different math equations that are used in nutrition. We start by learning about clinical math equations.
Nutrition	Dominique Doris GWCC	Nutritional Math: Food Service Equations GWCC_Booster_Nutritional_Math_Food_Service_Equations_Ddoris This booster is designed to help you practice different math equations that are used in nutrition. Here we learn about food service and management math equations.
Physics	R. E. Tremblay GWCC	Ohms Law GWCC_Booster_Ohms_Law_Rtremblay In this booster, we discuss the basics of Ohm's Law. Students learn how to determine the series equivalent of resistors in parallel, calculate resistance and current using Ohm's Law and determine the power required by a circuit.
Nutrition	Susan Asanovic NCC	Optimized Diet Analysis NCC_Booster_Optimized_Diet_Analysis_Sasanovic Here we discuss why it's important to conduct a personal diet analysis and how a person can benefit from this information.

Biology	Paul F. Whitehead CCC	Organic Evolution CCC_Booster_Evolution_Pwhitehead This Booster will introduce the concept of evolution, provide some history of the development of the evolutionary paradigm, and review some of the evidence that biologists universally recognize to support the reality of evolutionary change.
Nursing	Cathleen Caulfield NCC	Orientation to Healthcare Simulation Activities at Norwalk Community College NCC_Booster_Orientation_to_High_Fidelity_Simulation_HFS_Ccaulfield This booster is designed to orient students to the healthcare simulation activities available at Norwalk Community College. Students also learn the 3 stages of Simulation: Pre-Brief, Implementation and De-Brief.
General Science	Christine Witkowski & Kate Miller MxCC	Outdoor Lab Safety MxCC_Booster_Outdoor_Lab_Safety In this booster, we learn about outdoor lab safety.
Exercise Science	Paul Gallo NCC	Parvo Metabolic Cart Calibration and Mouthpiece Assembly NCC_Booster_Parvo_Metabolic_Cart_Calibration_and_Mouthpiece_Assembly_Pgallo This goal of this session is for students to become proficient with the set-up and calibration of the ParvoMedic, TrueOne metabolic cart.
Human Biology	Narinder Whitehead GWCC	Pathogens and Antibacterial Resistance GWCC_Booster_Pathogens_Antibiotic_Resistance_Nwhitehead In this booster, we examine pathogens, antibiotic resistance and why it is a global threat and a major public health concern.
Genetics	Michelle Krackowski MxCC	PCR MxCC_Booster_PCR_Mkrackowski In this booster module, you will learn information about the technique commonly employed in biotechnology called Polymerase Chain Reaction (PCR).
Genetics	Cleo Rolle CCC	PCR and Primer Design CCC_Booster_PCR_and_Primer_Design_Crolle Polymerase Chain Reaction is frequently identified as the most important molecular biology technique. PCR has revolutionized our ability to work with small quantities of DNA, and it has a wide range of applications from forensics to the diagnosis of genetic disorders. In this booster, you will explore the process of PCR.

Basic Math/Pre-Algebra	Bujar Konjusha CCC	Percent CCC_Booster_Percent_Bkonjusha In this booster, we will discuss percents and percentages. The meaning and expression of percents and percentage. Writing and solving problems with percents.
Chemistry	Estela Berman Ruiz NCC	pH Buffers, Part 1 NCC_Booster_pH_Buffers_Part_1_EBermanRuiz In this booster we will review the basic concepts of acid/base chemistry and stress its relevance to human metabolism.
Chemistry	Estela Berman Ruiz NCC	pH Buffers, Part 2 NCC_Booster_pH_Buffers_Part_2_EBermanRuiz In this booster we will review the basic concepts of acid/base chemistry and stress its relevance to human metabolism.
Ecology	Elizabeth McCance NCC	Population Dynamic NCC_Booster_Population_Dynamic_EMcCance This booster will help you review the key concepts associated with population growth and regulation. It will review the basic models and walk through a number of practice problems.
Graphing	CCC	Population Growth and Rate of Change CCC_Booster_Population_Growth_and_Rate_of_Change Governments use mathematics to evaluate population growth rates to make informed decisions about the futures of the people. This booster allows the student to calculate and interpret rate of change, construct graphs and predict future population size by evaluating historical growth rates.
Nutrition	Pamela Galasso GWCC	Posters and Bulletin Boards GWCC_Booster_Posters_and_Bulletin_Boards_Pgalasso In this booster, we review Poster and Bulletin Board Presentation Guidelines. We will Identify the points in creating an effective poster or bulletin board, develop a clear message about the topic, evaluate what the audience learned (create a measurable objective) and practice the techniques demonstrated to develop a poster or bulletin board.



Physical Therapy	Jennifer Bresnick NCC	Posture and Body Mechanics Training for Allied Health Professionals, Part 1 NCC_Booster_Posture_and_Body_Mechanics_Training_Allied_Health_Professionals_Part_1_Jbresnick In this booster, we will discuss the characteristics of common faulty postures and the effects of impaired posture. We also look at common diseases and conditions that may lead to postural impairments.
Physical Therapy	Jennifer Bresnick NCC	Posture and Body Mechanics Training for Allied Health Professionals, Part 2 NCC_Booster_Posture_and_Body_Mechanics_Training_Allied_Health_Professionals_Part_2_Jbresnick In this booster, we will discuss the important elements of therapeutic interventions to improve posture in static and dynamic positions, the importance of body mechanics, proper body mechanics during various activities and body mechanics education and intervention within a plan of care.
Human Biology	Pauline Lizotte MCC	Protein Structure and Digestion MCC_Booster_Protein_Structure_and_Digestion_Plizotte This module will review protein structure, function and digestion and is designed to help you review the structural differences among amino acids, di and tripeptides, and polypeptides/proteins. You will also identify the organs/glands where enzymes or other chemical substances are produced in the digestive system which break down the various levels of protein structure, and again review the process of hydrolysis, the basis for most digestion that occurs within multicellular organisms that possess a digestive system.
Biology	Jay Gibson MCC	Protein Synthesis and the Central Dogma MCC_Booster_Protein_Synthesis_and_the_Central_Dogma_Jgibson This booster will introduce you to the central dogma of molecular biology which describes the transfer of genetic information from DNA to RNA to Protein.
Nursing	Dottie Lay NCC	QSEN and NOF Competencies NCC_Booster_QSEN_and_NOF_Competencies_Dlay In this booster, we will discuss QSEN and nursing of the future initiatives We cover medication safety and high alert medications.
Algebra	Andre Freeman CCC	Quadratic Functions CCC_Booster_Quadratic_Functions_Afreeman This booster provides an introduction to important concepts about quadratic functions.

Measurement	Bujar Konjusha CCC	Rulers, Tape Measures and Thermometers CCC_Booster_Rulers_Tape_Measures_and_Thermometers_Bkonjusha This booster discusses reading rulers (tape measures) and thermometers and converting degrees Celsius to degrees Fahrenheit and degrees Fahrenheit to degrees Celsius.
Basic Math/Pre-Algebra	Jason Krawic CCC	Scientific Notation CCC_Booster_Scientific_Notation_Jkrawic This booster introduces scientific notation and explores how numbers in scientific notation are used to solve scientific problems and explore real world situations.
Biology	Patrick Bryan MxCC	Serial Dilutions MxCC_Booster_Serial_Dilutions_Pbryan In this booster, you will learn how to sketch a flow diagram for a serial dilution and determine how to check your calculations to insure you are in fact achieving the desired result.
Human Biology	Cristina Roche MxCC	Skeletal System: Diseases and Disorders MxCC_Booster_Skeletal_System_Diseases_and_Disorders_Croche In this booster, we will learn or review some of the main diseases and disorders associated with the skeletal system.
Human Biology	Cristina Roche MxCC	Skeletal System: Macroscopic anatomy MxCC_Booster_Skeletal_System_Macroscopic_Anatomy_Croche In this booster you will review the function of the skeletal system, the different types of bones and the macroscopic anatomy of a long bone. In addition, you will be able to practice identifying all the bones that make up the axial and appendicular skeleton.
Human Biology	Cristina Roche MxCC	Skeletal System: Microscopic anatomy MxCC_Booster_Microscopic_Anatomy_Croche In this module, you will review the microscopic anatomy of a bone, the different types of bone cells, and the process of ossification, or bone formation.
Human Biology	Anthony Brown NCC	Skeletal, Cardiac, and Smooth Muscle Similarities and Differences NCC_Booster_Skeletal_Cardiac_and_Smooth_Muscle_Similarities_and_Differences_Abrown In this booster, we will discuss the similarities and differences between skeletal, cardiac and smooth muscles.

Nutrition	Anne Hermans NCC	Small Animal Clinical Nutrition: Pet Food Labels NCC_Booster_Small_Animal_Clinical_Nutrition_Pet_Food_Labels_Ahermans In this booster we will review the nutritional needs of dogs and cats, review common ingredients in pet foods, interpret pet food labeling, become familiar with resources for pet food analysis and be able to discuss pet food recommendations with owners.
Algebra	Leonel Carmona & Andre Freeman CCC	Solve a System of Linear Equations: Elimination Method CCC_Booster_Solve_a_System_of_Linear_Equations_Elimination_Method This booster introduces students to systems of linear equations and methods for solving systems of linear equations using elimination.
Algebra	Maria Stockmal MxCC	Solve Quadratic Equations by Factoring MxCC_Booster_Solve_Quadratic_Equations_by_Factoring_Mstockmal This booster will aide in solving quadratic equations using two forms of factoring depending on the nature of the quadratic equation.
Algebra	Arben Zeqiraj CCC	Solving Exponential Equations CCC_Booster_Solving_Exponential_Equations In this booster students will learn to use like bases to solve exponential equations, use logarithms to solve exponential equations and solve exponential equations by graphing.
Algebra	Arben Zeqiraj CCC	Solving Logarithmic Equations CCC_Booster_Solving_Logarithmic_Equations In this booster students will learn to use exponential form to solve logarithmic equations, use the one-to-one property of logarithms to solve logarithmic equations and solve logarithmic equations by graphing.
Algebra	Leonel Carmona Andre Freeman CCC	Solving Systems of Linear Equations: Graphing Method CCC_Booster_Solving_Systems_of_Linear_Equations_Graphing_Method This booster introduces students to systems of linear equations and methods for solving systems of linear equations using graphing.
Algebra	Leonel Carmona Andre Freeman CCC	Solving Systems of Linear Equations: Substitution Method CCC_Booster_Solving_Systems_of_Linear_Equations_Substitution_Method This booster introduces students to systems of linear equations and methods for solving systems of linear equations using substitution.

Human Biology	Anthony Brown NCC	Starling's Law of the Heart and Capillaries NCC_Booster_Starling_s_Law_of_the_Heart_and_Capillaries_Abrown This module will discuss Ernest Starling and his research and then examine the law of the heart and the law of the capillaries. To show the clinical relevance of the material, the module continues with an exploration of disease states involving the laws.
Chemistry	Raynaldo Scarlett CCC	Stoichiometry: Analysis of Chemical Equations CCC_Booster_Stoichiometry_Analysis_of_Chemical_Equations_Rscarlett This booster teaches students how to balance chemical equations, to understand the use of coefficients within chemical equations, and how to solve limiting reactant problems.
Student Skills	NCC	Study Skills for STEM Classes NCC_Booster_Study_Skills_for_Sciences In this booster, you will learn study skills for STEM classes. You will also learn to implement note-taking strategies, study tips, and how to avoid common study mistakes.
Nutrition	Margaret Dana-Conway NCC	Supporting Nutrition, Health, and Physical Activity in Early Childhood Education NCC_Booster_Supporting_Nutrition_Health_Physical_Activity_Early_Childhood_Educ_MDana_Conway This booster teaches you how to support nutrition, health, and physical activity in early childhood education.
Genetics	Jackson Laboratories JAX	Teaching the Genome JAX_Booster_Teaching_the_Genome In this booster, we discuss teaching the genome. We touch on why we should learn about our genetic make-up and the effect on the of genomics on healthcare and medicine.
Ecology	Lynn McCartin GWCC	Terrestrial Biomes, Part 1 GWCC_Booster_Terrestrial_Biomes_Part_1_LMcCartin This booster is designed to provide an overview of what terrestrial biomes are and how they are classified.
Ecology	Lynn McCartin GWCC	Terrestrial Biomes, Part 2 GWCC_Booster_Terrestrial_Biomes_Part_2_LMcCartin This booster provides an in-depth exploration of the different biome systems found on earth.

Biology	Christina Alevras MCC	The Cell Cycle MCC_Booster_The_Cell_Cycle_Calevras This booster module provides an overview of the cell cycle of an animal cell. It describes the stages of the cell cycle and the role of proto-oncogenes and tumor-suppressor genes in the regulation of the cell cycle. Furthermore, it provides a lesson on how mutations in tumor-suppressor genes or proto-oncogenes may lead to the development of cancer.
Biology	Cindy Seiwert MCC	The Laws of Thermodynamics: Part 1 MCC_Booster_The_Laws_of_Thermodynamics_Part_1_Cseiwert This booster is designed to lead you through the background knowledge necessary for an understanding of thermodynamics, as well as to introduce you to the laws themselves.
Biology	Cindy Seiwert MCC	The Laws of Thermodynamics: Part 2 MCC_Booster_The_Laws_of_Thermodynamics_Part_2_Cseiwert This booster is designed to lead you through the background knowledge necessary for an understanding of thermodynamics, as well as to introduce you to the laws themselves.
Biology	Cindy Seiwert MCC	The Laws of Thermodynamics: Part 3 MCC_Booster_The_Laws_of_Thermodynamics_Part_3_Cseiwert This booster will introduce you to important background information that is necessary for an understanding of Thermodynamics. In this booster, students will learn how to compare and contrast the terms exothermic and exergonic and endothermic and endergonic. Students will also learn to explain how living systems couple exergonic and endergonic reactions.
Human Biology	Jane R. Lubin NCC	The Sense of Sight NCC_Booster_The_Sense_of_Sight_Jlubin The goal of this booster is to familiarize the student with the structure of the eye, and how that structure helps the eye accomplish sight.
Biology	Cindy Seiwert MCC	The Special Properties of Water, Part 1 MCC_Booster_The_Special_Properties_of_Water_Part_1_Cseiwert In this booster module, you will explore water's special properties and learn how those properties arise from its molecular structure.

Biology	Cindy Seiwert MCC	The Special Properties of Water, Part 2 MCC_Booster_The_Special_Properties_of_Water_Part_2_Cseiwert In this booster module, you will explore water's special properties and learn how those properties arise from its molecular structure.
Physical Therapy	Jennifer Bresnick NCC	Therapeutic Exercise for the Shoulder, Part 1 NCC_Booster_Therapeutic_Exercise_for_the_Shoulder_Part_1_Jbresnick This booster module is designed to teach students therapeutic exercise for the shoulder. The student will learn to apply anatomic & physiologic principles in the provision of therapeutic exercise of the shoulder and shoulder girdle to a variety of patient populations and relate the principles of anatomy and function of the shoulder and shoulder girdle to therapeutic exercise.
Physical Therapy	Jennifer Bresnick NCC	Therapeutic Exercise for the Shoulder, Part 2 NCC_Booster_Therapeutic_Exercise_for_the_Shoulder_Part_2_Jbresnick This booster module is designed to teach students therapeutic exercise for the shoulder. The student will learn to explain the use of therapeutic exercise for common shoulder pathologies, injuries and surgical procedures and describe precautions and contraindications applicable to the provision of therapeutic exercise for the shoulder and shoulder girdle.
Student Skills	Janet Hayes GWCC	Time Management GWCC_Booster_Time_Management_for_Exercise_Science_Jhayes Time management refers to how you plan, control, regulate and schedule your time. In this booster, you will learn time management tips and tricks.
Physics	R. E. Tremblay GWCC	Torque GWCC_Booster_Torque_Rtremblay In this booster, we will introduce students to torque and practice torque calculations.
Veterans	VETS	Training for Professors and Administrators on How to Include Veterans VETS_Booster_Training_for_Professors_and_Administrators_How_to_Include_Veterans This booster assists professors and administrators with ways to include VETS in the classroom.

Genetics	Jay Gibson MCC	Transcription MCC_Booster_Transcription_Jgibson This module will review the molecular process of transcription in a eukaryotic cell which describes the transfer of genetic information from DNA to RNA.
Genetics	Jay Gibson MCC	Translation MCC_Booster_Translation_Jgibson This module will review the molecular process of translation in a eukaryotic cell which describes the transfer of genetic information from RNA to Protein.
Basic Math/Pre-Algebra	Arben Zeqiraj CCC	Understanding Functions CCC_Booster_Understanding_Functions_Domain_and_Range_Azeqiraj This booster covers Understanding Functions. We will identify the domain and range of a relation, determine whether a relation is a function, and evaluate functions. In addition, we determine whether a graph is a function with the Vertical Line Test, and identify the domain and range of a function from its graph.
Basic Math/Pre-Algebra	Jason Krawic CCC	Unit Conversion CCC_Booster_Unit_Conversion_Jkrawic This booster teaches students how to convert quantities and rates to different units of measurement.
General Science	Frank Stellabotte MxCC	Using Oil Immersion in Light Microscopy MxCC_Booster_Using_Oil_Immersion_Microscopy_Fstellabotte In this booster you will learn about Using Oil Immersion in Light Microscopy.
Physics	R. E. Tremblay GWCC	Vectors GWCC_Booster_Vectors_Rtremblay In this booster, we discuss Vectors and the Pythagorean Theorem in Physics.
Physics	Leonel Carmona CCC	Vectors in Two Dimensions CCC_Booster_Vectors_in_Two_Dimensions_Lcarmona This booster discusses the mathematics of vectors, including operations on vectors, vector components, and vector motion.

Veterans	VETS	Veterans Success in College and How to Research a Career VETS_Booster_Success_in_College_and_How_to_Research_a_Career This booster helps VETs with how to be successful in college and research a career.
Human Biology	Frank Stellabotte MxCC	Visualizing Early Embryonic Development using Zebrafish MxCC_Booster_Visualizing_Early_Embryonic_Development_Using_Zebrafish_Fstellabotte This booster will introduce users to stages just after the zygote has formed and compare the development of an externally fertilized zebrafish embryo to that of a human being.
Genetics	Jackson Laboratories JAX	Why is Genomics Important? JAX_Booster_Why_is_Genomics_Important In this booster, we will discuss why the study of genomics is important.
Physics	Mark Busa MxCC	X-Rays MxCC_Booster_X_Rays_Mbusa This booster introduces the discovery and nature of X-rays and some of the modern uses of X-rays. Since X-rays are a form of electromagnetic radiation, the booster module also provides some background about waves, in general, including the electromagnetic spectrum.



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