

DCLA - COURSE CURRICULUM MAP

Physical Science Fall Semester

	1-3 Weeks	4-6 Weeks	7-8 Weeks
Content/ Skills	Ch. 1 <ul style="list-style-type: none"> • Scientific method • Measurement 	Chapters 2 and 3 <ul style="list-style-type: none"> • Phases of matter 	Chapters 4 and 5 <ul style="list-style-type: none"> • Structure • Properties of elements
Skills	<ul style="list-style-type: none"> • Lab safety and techniques • Problem solving • Metric system • Graphing • SI Units 	<ul style="list-style-type: none"> • States of matter • Boyle's Law • Charles Law • Archimedes Principle • Pascal's Principle • Bernoulli's Principle 	<ul style="list-style-type: none"> • Model of an atom • Periodic table • Ions • Metals • Non-metals • Mixed groups
Smart goals Assessment	<ul style="list-style-type: none"> • Successful lab completion • Identification • Objective enhancement Worksheet, quizzes and test • Diagram completion • Classroom discussion 	<ul style="list-style-type: none"> • Successful lab completion • Identification • Objective enhancement Worksheet, quizzes and test • Diagram completion • Classroom discussion 	<ul style="list-style-type: none"> • Successful lab completion • Identification • Objective enhancement worksheet, quizzes and test • Diagram completion • Classroom discussion

DCLA - COURSE CURRICULUM MAP

Physical Science Fall Semester

	9-11 Weeks	12-15 Weeks	16-18 Weeks
Content/ Skills	Chapter 6 <ul style="list-style-type: none"> • Chemical bonds 	Chapter 7 <ul style="list-style-type: none"> • Chemical Reactions • Solutions 	Chapter 8 and 9 <ul style="list-style-type: none"> • Acids and Bases • Organic compounds
Skills	<ul style="list-style-type: none"> • Bonds • Formulas • Compounds 	<ul style="list-style-type: none"> • Changes • Equations • Reactions • Solutions • Solubility • Concentration 	<ul style="list-style-type: none"> • Acids • Bases • Salts • Strength of acids and bases • Carbon chemistry
Smart Goal Assessment	<ul style="list-style-type: none"> • Successful lab completion • Identification • Objective enhancement worksheet, quizzes and test • Diagram completion • Classroom discussion 	<ul style="list-style-type: none"> • Successful lab completion • Identification • Objective enhancement worksheet, quizzes and test • Diagram completion • Classroom discussion 	<ul style="list-style-type: none"> • Successful lab completion • Identification • Objective enhancement worksheet, quizzes and test • Diagram completion • Classroom discussion

DCLA - COURSE CURRICULUM MAP

Physical Science Spring Semester

	1-3 Weeks	4-6 Weeks	7- 8 Weeks
Content/ Skills	Chapters 11, 12 & 13 <ul style="list-style-type: none"> • Motion • Force • Acceleration • Momentum 	Chapters 14, 15, & 16 <ul style="list-style-type: none"> • Energy • Work and Machines • Thermal Energy 	Chapters 17 <ul style="list-style-type: none"> • Waves • Sound
Skills	<ul style="list-style-type: none"> • Speed and Velocity • Inertia and Mass • Friction • Gravity and Weight • Measuring force • Newton’s Laws • Terminal velocity 	<ul style="list-style-type: none"> • Conservation of energy • Heat • Movement of heat • Advantages of machines • Simple Machines • Compound Machines • Power • Efficiency 	<ul style="list-style-type: none"> • Wave frequency and Velocity • Nature of sound
Smart goals Assessment	<ul style="list-style-type: none"> • Successful lab completion • Identification • Objective enhancement Worksheet, quizzes and test <ul style="list-style-type: none"> • Diagram completion • Classroom discussion 	<ul style="list-style-type: none"> • Successful lab completion • Identification • Objective enhancement Worksheet, quizzes and test <ul style="list-style-type: none"> • Diagram completion • Classroom discussion 	<ul style="list-style-type: none"> • Successful lab completion • Identification • Objective enhancement worksheet, quizzes and test <ul style="list-style-type: none"> • Diagram completion • Classroom discussion

DCLA - COURSE CURRICULUM MAP

Physical Science Spring Semester

	9-12 Weeks	13-14 Weeks	15-18 Weeks
Content/ Skills	Chapters 18 <ul style="list-style-type: none"> • Electromagnetic Waves 	Chapters 19 <ul style="list-style-type: none"> • Light • Mirrors and Lenses 	Chapters 20 & 21 <ul style="list-style-type: none"> • Electricity • Magnetism
Skills	<ul style="list-style-type: none"> • Electromagnetic Spectrum • Radio Communication 	<ul style="list-style-type: none"> • Reflection and Refraction • Optics of mirrors and lenses • Application of light 	<ul style="list-style-type: none"> • Electric charges, currents and circuits • Power and Energy • Magnetic Fields
Smart Goal Assessment	<ul style="list-style-type: none"> • Successful lab completion • Identification • Objective enhancement worksheet, quizzes and test • Diagram completion • Classroom discussion 	<ul style="list-style-type: none"> • Successful lab completion • Identification • Objective enhancement worksheet, quizzes and test • Diagram completion • Classroom discussion 	<ul style="list-style-type: none"> • Successful lab completion • Identification • Objective enhancement worksheet, quizzes and test • Diagram completion • Classroom discussion

