

K-12 SCIENCE CURRICULUM FRAMEWORK

1a (Science as Inquiry)

STUDENTS WILL DEMONSTRATE AN INCREASING UNDERSTANDING OF HOW THE SCIENTIFIC ENTERPRISE OPERATES.

Related PLT Activities

Forest Ecology

- Activity #1: ADOPT-A-FOREST
- Activity #2: CAST OF THOUSANDS
- Activity #3: THE NATURE OF PLANTS

Municipal Solid Waste

- Activity #1: THE WASTE STREAM
- Activity #6: LANDFILLS
- Activity #7: WHERE DOES YOUR GARBAGE GO?
- Activity #8: SUCCESS STORIES AND PERSONAL CHOICES

Focus on Risk

- Activity #3: CHANCES ARE...UNDERSTANDING PROBABILITY AND RISK
- Activity #6: WEIGHING THE OPTIONS: A LOOK AT TRADEOFFS
- Case Study: ELECTROMAGNETIC FIELDS
- Case Study: CHLORINE
- Case Study: PLASTICS
- Activity #8: TAKING ACTION: REDUCING RISK IN YOUR SCHOOL OR COMMUNITY

2a (Science, Technology, and Society)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO USE MEASURING INSTRUMENTS TO GATHER ACCURATE AND/OR PRECISE INFORMATION.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #7: WATCH ON WETLANDS
- Activity #8: WASTE WATCHERS

Forest Ecology

- Activity #2: CAST OF THOUSANDS

Municipal Solid Waste

- Activity #4: COMPOSTING

Focus on Risk

- Case Study: ELECTROMAGNETIC FIELDS

2b (Science, Technology, and Society)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO USE TECHNOLOGY TO OBSERVE NATURE.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #3: TREES AS HABITATS
- Activity #7: WATCH ON WETLANDS

Forest Ecology

- Activity #1: ADOPT-A-FOREST
- Activity #2: CAST OF THOUSANDS
- Activity #4: COMPOSTING

2c (Science, Technology, and Society)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO ANALYZE, SYNTHESIZE, AND COMMUNICATE SCIENTIFIC INFORMATION USING TECHNOLOGY.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #7: WATCH ON WETLANDS
- Activity #8: WASTE WATCHERS

Focus on Forests

- Activity #2: OLD-GROWTH FORESTS

Forest Ecology

- Activity #1: ADOPT-A-FOREST
- Activity #6: STORY OF SUCCESSION

Municipal Solid Waste

- Activity #3: RECYCLING AND ECONOMICS
- Activity #4: COMPOSTING
- Activity #7: WHERE DOES YOUR GARBAGE GO?

Focus on Risk

- Activity #5: COMMUNICATING RISK

2d (Science, Technology, and Society)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO UNDERSTAND HOW TECHNOLOGY IS USED TO SYNTHESIZE NEW PRODUCTS.

Related PLT Activities

Municipal Solid Waste

- Activity #5: WASTE-TO-ENERGY

2e (Science, Technology, and Society)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO UNDERSTAND THAT SCIENCE AND TECHNOLOGY AFFECTS INDIVIDUALS, AND THAT INDIVIDUALS IN TURN CAN AFFECT SCIENCE AND TECHNOLOGY.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #1: RENEWABLE OR NOT?
- Activity #2: ENVIRONMENTAL EXCHANGE BOX
- Activity #4: ENERGY SLEUTHS
- Activity #5: 400-ACRE WOOD
- Activity #7: WATCH ON WETLANDS
- Activity #8: WASTE WATCHERS
- Activity #10: IMPROVE YOUR PLACE

Focus on Forests

- Activity #2: OLD-GROWTH FORESTS
- Activity #3: TOUGH CHOICES

Forest Ecology

- Activity #4: HOME SWEET HOME
- Activity #5: SAGA OF THE GYPSY MOTH
- Activity #7: UNDERSTANDING FIRE
- Activity #8: FIRE MANAGEMENT

Municipal Solid Waste

- Activity #1: THE WASTE STREAM
- Activity #2: SOURCE REDUCTION
- Activity #3: RECYCLING AND ECONOMICS
- Activity #4: COMPOSTING
- Activity #5: WASTE-TO-ENERGY
- Activity #6: LANDFILLS
- Activity #7: WHERE DOES YOUR GARBAGE GO?

Activity #8: SUCCESS STORIES & PERSONAL CHOICES

Focus on Risk

- Activity #1: WHAT IS RISK?
- Activity #2: THINGS AREN'T ALWAYS WHAT THEY SEEM
- Activity #4: RISK ASSESSMENT: TOOLS OF THE TRADE
- Activity #5: COMMUNICATING RISK
- Activity #6: WEIGHING THE OPTIONS: A LOOK AT TRADEOFFS
- Activity #7: ECOLOGICAL RISK, NATURAL HAZARDS AND DECISION MAKING
- Case Study: ELECTROMAGNETIC FIELDS
- Case Study: CHLORINE
- Case Study: PLASTICS
- Activity #8: TAKING ACTION: REDUCING RISK IN YOUR SCHOOL OR COMMUNITY

2f (Science, Technology, and Society)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO UNDERSTAND THAT PROGRESS IN SCIENCE AND TECHNOLOGY IS CONTROLLED BY SOCIETAL ATTITUDES AND BELIEFS .

Related PLT Activities

Forest Ecology

- Activity #7: UNDERSTANDING FIRE
- Activity #8: FIRE MANAGEMENT

Municipal Solid Waste

- Activity #1: THE WASTE STREAM
- Activity #2: SOURCE REDUCTION
- Activity #3: RECYCLING AND ECONOMICS
- Activity #5: WASTE-TO-ENERGY
- Activity #6: LANDFILLS
- Activity #7: WHERE DOES YOUR GARBAGE GO?
- Activity #8: SUCCESS STORIES & PERSONAL CHOICES

Focus on Risk

- Activity #2: THINGS AREN'T ALWAYS WHAT THEY SEEM
- Activity #4: RISK ASSESSMENT: TOOLS OF THE TRADE
- Activity #5: COMMUNICATING RISK
- Activity #7: ECOLOGICAL RISK, NATURAL HAZARDS AND DECISION MAKING
- Case Study: PLASTICS

3a (Life Science)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO RECOGNIZE PATTERNS AND PRODUCTS OF EVOLUTION, INCLUDING GENETIC VARIATION, SPECIALIZATION, ADAPTATION, AND NATURAL SELECTION.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #7: WATCH ON WETLANDS

Forest Ecology

- Activity #1: ADOPT-A-FOREST
- Activity #2: CAST OF THOUSANDS
- Activity #5: SAGA OF THE GYPSY MOTH
- Activity #7: UNDERSTANDING FIRE
- Activity #8: FIRE MANAGEMENT

Municipal Solid Waste

- Activity #4: COMPOSTING

3b (Life Science)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO UNDERSTAND HOW ENVIRONMENTAL FACTORS AFFECT ALL LIVING SYSTEMS (I.E. INDIVIDUALS, COMMUNITY, BIOME, THE BIOSPHERE) AS WELL AS SPECIES INTERACTIONS.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #2: ENVIRONMENTAL EXCHANGE BOX
- Activity #3: TREES AS HABITATS
- Activity #7: WATCH ON WETLANDS
- Activity #8: WASTE WATCHERS
- Activity #9: A LOOK AT LIFESTYLES

Focus on Forests

- Activity #1: WHAT'S A FOREST TO YOU?
- Activity #2: OLD-GROWTH FORESTS

Forest Ecology

- Activity #1: ADOPT-A-FOREST
- Activity #2: CAST OF THOUSANDS
- Activity #3: THE NATURE OF PLANTS
- Activity #4: HOME SWEET HOME
- Activity #6: STORY OF SUCCESSION
- Activity #7: UNDERSTANDING FIRE

- Activity #8: FIRE MANAGEMENT

Municipal Solid Waste

- Activity #4: COMPOSTING
- Activity #6: LANDFILLS

Focus on Risk

- Activity #7: ECOLOGICAL RISK, NATURAL HAZARDS AND DECISION MAKING
- Case Study: CHLORINE
- Case Study: PLASTICS

3c (Life Science)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO UNDERSTAND THAT ORGANISMS ARE LINKED TO ONE ANOTHER AND TO THEIR PHYSICAL SETTING BY THE TRANSFER AND TRANSFORMATION OF MATTER AND ENERGY TO MAINTAIN A DYNAMIC EQUILIBRIUM.

Related PLT Activities

Forest Ecology

- Activity #1: ADOPT-A-FOREST
- Activity #3: THE NATURE OF PLANTS

Municipal Solid Waste

- Activity #4: COMPOSTING

3d (Life Science)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO UNDERSTAND FUNDAMENTAL STRUCTURES, FUNCTIONS, AND MECHANISMS OF INHERITANCE FOUND IN MICROORGANISMS, FUNGI, PROTISTS, PLANTS, AND ANIMALS.

Related PLT Activities

No correlation

4a (Earth/Space Science)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO UNDERSTAND THAT THE EARTH IS A UNIQUE MEMBER OF OUR SOLAR SYSTEM, LOCATED IN THE GALAXY, WITHIN THE UNIVERSE.

Related PLT Activities

No correlation

4b (*Earth/Space Science*)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO UNDERSTAND THAT THE EARTH IS A COMPLEX PLANET WITH FIVE INTERACTING SYSTEMS, WHICH CONSISTS OF THE SOLID EARTH (LITHOSPHERE), AIR (ATMOSPHERE), WATER (HYDROSPHERE), ICE (CRYOSPHERE), AND LIFE (BIOSPHERE).

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #9: A LOOK AT LIFESTYLES

4c (*Earth/Space Science*)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO UNDERSTAND THAT THE EARTH CONTAINS A VARIETY OF RENEWABLE AND NON-RENEWABLE RESOURCES.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #1: RENEWABLE OR NOT?
- Activity #4: ENERGY SLEUTHS
- Activity #5: 400-ACRE WOOD
- Activity #8: WASTE WATCHERS
- Activity #9: A LOOK AT LIFESTYLES

Focus on Forests

- Activity #1: WHAT'S A FOREST TO YOU?
- Activity #2: OLD-GROWTH FORESTS

Forest Ecology

- Activity #1: ADOPT-A-FOREST
- Activity #3: THE NATURE OF PLANTS
- Activity #4: HOME SWEET HOME
- Activity #6: STORY OF SUCCESSION
- Activity #7: UNDERSTANDING FIRE
- Activity #8: FIRE MANAGEMENT

Municipal Solid Waste

- Activity #1 THE WASTE STREAM
- Activity #2: SOURCE REDUCTION
- Activity #3: RECYCLING AND ECONOMICS
- Activity #6: LANDFILLS
- Activity #8: SUCCESS STORIES & PERSONAL CHOICES

Focus on Risk

- Activity #7: ECOLOGICAL RISK, NATURAL HAZARDS AND DECISION MAKING
- Case Study: CHLORINE
- Case Study: PLASTICS

5a (Physical Science)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO DISTINGUISH AMONG MATERIALS BY UTILIZING OBSERVABLE PROPERTIES.

Related PLT Activities

Focus on Risk

- Case Study: CHLORINE
- Case Study: PLASTICS

5b (Physical Science)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO UNDERSTAND THAT MATTER IS COMPOSED OF DYNAMIC INTERACTIVE UNITS OR PARTICLES, THAT ALL THE PROPERTIES AND CHANGES IN MATTER CAN BE EXPLAINED IN TERMS OF THE FORCES INVOLVED IN THE INTERACTIONS OF THESE UNITS, AND THAT MASS IS CONSERVED IN THESE CHANGES AND INTERACTIONS.

Related PLT Activities

No correlation

5c (Physical Science)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO UNDERSTAND THE RELATIONSHIPS AMONG DIFFERENT TYPES AND FORMS OF ENERGY.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #8: WASTE WATCHERS

Municipal Solid Waste

- Activity #2: SOURCE REDUCTION
- Activity #5: WASTE-TO-ENERGY

5d (Physical Science)

STUDENTS WILL DEMONSTRATE AN INCREASING UNDERSTANDING OF HOW ELECTRICAL AND MAGNETIC SYSTEMS INTERACT WITH MATTER AND ENERGY.

Related PLT Activities

Focus on Risk

- Case Study: ELECTROMAGNETIC FIELDS

5e (Physical Science)

STUDENTS WILL DEMONSTRATE AN INCREASING UNDERSTANDING OF HOW AN UNBALANCED FORCE EXERTED ON AN OBJECT CAUSES A CHANGE IN THE STATE OF REST OR MOTION OF THAT OBJECT IN THE DIRECTION OF THE UNBALANCED FORCE.

Related PLT Activities

Focus on Risk

- Case Study: ELECTROMAGNETIC FIELDS

5f (Physical Science)

STUDENTS WILL DEMONSTRATE AN INCREASING UNDERSTANDING THAT ENERGY CAN BE TRANSMITTED BY WAVES, USING LIGHT AND SOUND AS EXAMPLES.

Related PLT Activities

No correlation

5g (Physical Science)

STUDENTS WILL DEMONSTRATE AN INCREASING UNDERSTANDING THAT HEAT IS THE PRODUCT OF MANY NATURAL PROCESSES.

Related PLT Activities

No correlation

6a (Unifying Themes and Concepts)

STUDENTS WILL DEMONSTRATE AN INCREASING ABILITY TO RECOGNIZE PARTS OF ANY OBJECT OR SYSTEM, AND UNDERSTAND HOW THE PARTS INTERRELATE IN THE OPERATION OF THAT OBJECT OR SYSTEM.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #7: WATCH ON WETLANDS

Focus on Forests

- Activity #1: WHAT'S A FOREST TO YOU?
- Activity #2: OLD-GROWTH FORESTS

Forest Ecology

- Activity #1: ADOPT-A-FOREST
- Activity #2: CAST OF THOUSANDS
- Activity #3: THE NATURE OF PLANTS
- Activity #4: HOME SWEET HOME
- Activity #6: STORY OF SUCCESSION
- Activity #7: UNDERSTANDING FIRE
- Activity #8: FIRE MANAGEMENT

Municipal Solid Waste

- Activity #2: SOURCE REDUCTION
- Activity #5: WASTE-TO-ENERGY
- Activity #7: WHERE DOES YOUR GARBAGE GO?

Focus on Risk

- Activity #4: RISK ASSESSMENT: TOOLS OF THE TRADE

6b (Unifying Themes and Concepts)

STUDENTS WILL DEMONSTRATE THEIR UNDERSTANDING OF THE MEANING OF STABILITY AND CHANGE AND WILL BE ABLE TO IDENTIFY AND EXPLAIN CHANGE IN TERMS OF CAUSE AND EFFECT.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #5: 400-ACRE WOOD
- Activity #9: A LOOK AT LIFESTYLES

Forest Ecology

- Activity #2: CAST OF THOUSANDS
- Activity #3: THE NATURE OF PLANTS
- Activity #4: HOME SWEET HOME
- Activity #5: SAGA OF THE GYPSY MOTH

- Activity #6: STORY OF SUCCESSION
- Activity #7: UNDERSTANDING FIRE
- Activity #8: FIRE MANAGEMENT

Municipal Solid Waste

- Activity #4: COMPOSTING
- Activity #6: LANDFILLS
- Activity #8: SUCCESS STORIES & PERSONAL CHOICES

Focus on Risk

- Activity #4 RISK ASSESSMENT: TOOLS OF THE TRADE
- Case Study: CHLORINE

6c (Unifying Themes and Concepts)

STUDENTS WILL UNDERSTAND THE MEANING OF MODELS, THEIR APPROPRIATE USE AND LIMITATIONS, AND HOW MODELS CAN HELP THEM IN UNDERSTANDING THE NATURAL WORLD.

Related PLT Activities

Forest Ecology

- Activity #6: STORY OF SUCCESSION
- Activity #8: FIRE MANAGEMENT

Municipal Solid Waste

- Activity #6: LANDFILLS

Focus on Risk

- Activity #3: CHANCES ARE. . . UNDERSTANDING PROBABILITY & RISK
- Activity #4: RISK ASSESSMENT: TOOLS OF THE TRADE

6d (Unifying Themes and Concepts)

STUDENTS WILL INCREASINGLY QUANTIFY THEIR INTERACTIONS WITH PHENOMENA IN THE NATURAL WORLD, USE THESE RESULTS TO UNDERSTAND DIFFERENCES OF SCALE IN OBJECTS AND SYSTEMS, AND DETERMINE HOW CHANGES IN SCALE AFFECT VARIOUS PROPERTIES OF THOSE OBJECTS AND SYSTEMS.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #7: WATCH ON WETLANDS

Forest Ecology

- Activity #6: STORY OF SUCCESSION

Focus on Risk

- Case Study: ELECTROMAGNETIC FIELDS

K-12 SOCIAL STUDIES CURRICULUM FRAMEWORK

1 (Civics and Government)

STUDENTS WILL DEMONSTRATE AN UNDERSTANDING OF THE PURPOSE OF GOVERNMENT AND HOW GOVERNMENT IS ESTABLISHED AND ORGANIZED.

Related PLT Activities

Forest Ecology

- Activity #8: FIRE MANAGEMENT

Municipal Solid Waste

- Activity #6: LANDFILLS

2 (Civics and Government)

STUDENTS WILL DEMONSTRATE AN UNDERSTANDING OF THE FUNDAMENTAL IDEALS AND PRINCIPLES OF AMERICAN DEMOCRACY; THE MAJOR PROVISIONS OF THE UNITED STATES AND NEW HAMPSHIRE CONSTITUTIONS; AND THE ORGANIZATION AND OPERATION OF GOVERNMENT AT ALL LEVELS INCLUDING THE LEGISLATIVE, EXECUTIVE, AND JUDICIAL BRANCHES.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #6: DEMOCRACY IN ACTION
- Activity #7: WATCH ON WETLANDS

Focus on Forests

- Activity #5: BALANCING AMERICA'S FORESTS?
- Activity #6: SQUIRRELS VS. SCOPES

3 (Civics and Government)

STUDENTS WILL DEMONSTRATE AN UNDERSTANDING OF THE RELATIONSHIP OF THE UNITED STATES TO OTHER NATIONS AND THE ROLE OF THE UNITED STATES IN WORLD AFFAIRS.

Related PLT Activities

No correlation

4 (Civics and Government)

STUDENTS WILL DEMONSTRATE AN UNDERSTANDING OF THE MEANING, RIGHTS, AND RESPONSIBILITIES OF CITIZENSHIP AS WELL AS THE ABILITY TO APPLY THEIR KNOWLEDGE OF THE IDEALS, PRINCIPLES, ORGANIZATION, AND OPERATION OF AMERICAN GOVERNMENT THROUGH THE POLITICAL PROCESS AND CITIZEN INVOLVEMENT.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #6: DEMOCRACY IN ACTION

Focus on Forests

- Activity #5: BALANCING AMERICA'S FORESTS?
- Activity #8: TAKE ACTION!

Municipal Solid Waste

- Activity #5: WASTE-TO-ENERGY
- Activity #8: SUCCESS STORIES & PERSONAL CHOICES

Focus on Risk

- Case Study: ELECTROMAGNETIC FIELDS
- Activity #8: TAKING ACTION: REDUCING RISK IN YOUR SCHOOL OR COMMUNITY

5 (Economics)

STUDENTS WILL DEMONSTRATE THE ABILITY TO ANALYZE THE POTENTIAL COSTS AND BENEFITS OF ECONOMIC CHOICES IN MARKET ECONOMIES INCLUDING WANTS AND NEEDS; SCARCITY; TRADEOFFS; AND THE ROLE OF SUPPLY AND DEMAND, INCENTIVES, AND PRICES.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #1: RENEWABLE OR NOT?
- Activity #5: 400-ACRE WOOD
- Activity #9: A LOOK AT LIFESTYLES

Municipal Solid Waste

- Activity #2: SOURCE REDUCTION
- Activity #3: RECYCLING AND ECONOMICS
- Activity #5: WASTE-TO-ENERGY

Focus on Risk

- Activity #2: THINGS AREN'T ALWAYS WHAT THEY SEEM
- Activity #6: WEIGHING THE OPTIONS: A LOOK AT TRADEOFFS
- Case Study: ELECTROMAGNETIC FIELDS
- Case Study: PLASTICS

6 (Economics)

STUDENTS WILL DEMONSTRATE THE ABILITY TO EXAMINE THE INTERACTION OF INDIVIDUALS, HOUSEHOLDS, COMMUNITIES, BUSINESSES, AND GOVERNMENTS IN MARKET ECONOMIES INCLUDING COMPETITION; SPECIALIZATION; PRODUCTIVITY; TRADITIONAL FORMS OF ENTERPRISE; AND THE ROLE OF MONEY AND FINANCIAL INSTITUTIONS.

Related PLT Activities

No correlation

7 (Economics)

STUDENTS WILL DEMONSTRATE AN UNDERSTANDING OF DIFFERENT TYPES OF ECONOMIC SYSTEMS, THEIR ADVANTAGES AND DISADVANTAGES, AND HOW THE ECONOMIC SYSTEMS USED IN PARTICULAR COUNTRIES MAY CHANGE OVER TIME.

Related PLT Activities

No correlation

8 (Economics)

STUDENTS WILL DEMONSTRATE AN UNDERSTANDING OF THE PATTERNS AND RESULTS OF INTERNATIONAL TRADE INCLUDING DISTRIBUTION OF ECONOMIC RESOURCES ; IMPORTS AND EXPORTS; SPECIALIZATION; INTERDEPENDENCE; EXCHANGE OF MONEY; AND TRADE POLICIES .

Related PLT Activities

No correlation

9 (Economics)

STUDENTS WILL DEMONSTRATE THE ABILITY AND WILLINGNESS TO APPLY ECONOMIC CONCEPTS IN THE EXAMINATION AND RESOLUTION OF PROBLEMS AND ISSUES IN EDUCATIONAL, OCCUPATIONAL, CIVIC, AND EVERYDAY SETTINGS.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #5: 400-ACRE WOOD
- Activity #10: IMPROVE YOUR PLACE

Focus on Forests

- Activity #2: OLD-GROWTH FORESTS
- Activity #3: TOUGH CHOICES

- Activity #4: WHO OWNS AMERICA'S FORESTS?

Forest Ecology

- Activity #4: HOME SWEET HOME
- Activity #5: SAGA OF THE GYPSY MOTH
- Activity #7: UNDERSTANDING FIRE
- Activity #8: FIRE MANAGEMENT

Municipal Solid Waste

- Activity #2: SOURCE REDUCTION
- Activity #3: RECYCLING AND ECONOMICS
- Activity #5: WASTE-TO-ENERGY
- Activity #6: LANDFILLS

Focus on Risk

- Activity #5: COMMUNICATING RISK
- Activity #6: WEIGHING THE OPTIONS: A LOOK AT TRADEOFFS
- Case Study: ELECTROMAGNETIC FIELDS
- Case Study: PLASTICS

10 (Geography)

STUDENTS WILL DEMONSTRATE THE ABILITY TO USE MAPS, MENTAL MAPS, GLOBES, AND OTHER GRAPHIC TOOLS AND TECHNOLOGIES TO ACQUIRE, PROCESS, REPORT, AND ANALYZE GEOGRAPHIC INFORMATION.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #1: RENEWABLE OR NOT?
- Activity #5: 400-ACRE WOOD
- Activity #7: WATCH ON WETLANDS
- Activity #10: IMPROVE YOUR PLACE

Focus on Forests

- Activity #2: OLD-GROWTH FORESTS

Forest Ecology

- Activity #2: CAST OF THOUSANDS

Focus on Risk

- Activity #7: ECOLOGICAL RISK, NATURAL HAZARDS AND DECISION MAKING

11 (Geography)

STUDENTS WILL DEMONSTRATE AN UNDERSTANDING OF THE PHYSICAL AND HUMAN GEOGRAPHIC FEATURES THAT DEFINE PLACES AND REGIONS.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #2: ENVIRONMENTAL EXCHANGE BOX
- Activity #7: WATCH ON WETLANDS
- Activity #10: IMPROVE YOUR PLACE

Focus on Forests

- Activity #2: OLD-GROWTH FORESTS
- Activity #4: WHO OWNS AMERICA'S FORESTS?
- Activity #8: TAKE ACTION!

Forest Ecology

- Activity #2: CAST OF THOUSANDS
- Activity #4: HOME SWEET HOME

12 (Geography)

STUDENTS WILL DEMONSTRATE AN UNDERSTANDING OF LANDFORM PATTERNS AND WATER SYSTEMS ON EARTH'S SURFACE; THE PHYSICAL PROCESSES THAT SHAPE THESE PATTERNS; AND THE CHARACTERISTICS AND DISTRIBUTION OF ECOSYSTEMS.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #5: 400-ACRE WOOD
- Activity #7: WATCH ON WETLANDS

Focus on Forests

- Activity #2: OLD-GROWTH FORESTS

Forest Ecology

- Activity #2: CAST OF THOUSANDS
- Activity #7: UNDERSTANDING FIRE
- Activity #8: FIRE MANAGEMENT

13 (Geography)

STUDENTS WILL DEMONSTRATE AN UNDERSTANDING OF THE IMPACT OF HUMAN SYSTEMS ON EARTH'S SURFACE INCLUDING THE CHARACTERISTICS, DISTRIBUTION, AND MIGRATION OF HUMAN POPULATIONS; THE NATURE AND COMPLEXITY OF PATTERNS OF CULTURAL DIFFUSION; PATTERNS AND NETWORKS OF ECONOMIC INTERDEPENDENCE; PROCESSES, PATTERNS, AND FUNCTIONS OF HUMAN SETTLEMENT; AND THE FORCES OF COOPERATION AND CONFLICT THAT SHAPE HUMAN GEOGRAPHIC DIVISIONS.

Related PLT Activities

No correlation

14 (Geography)

STUDENTS WILL DEMONSTRATE AN UNDERSTANDING OF THE CONNECTIONS BETWEEN EARTH'S PHYSICAL AND HUMAN SYSTEMS; THE CONSEQUENCES OF THE INTERACTION BETWEEN HUMAN AND PHYSICAL SYSTEMS; AND CHANGES IN THE MEANING, USE, DISTRIBUTION, AND IMPORTANCE OF RESOURCES.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #1: RENEWABLE OR NOT?
- Activity #2: ENVIRONMENTAL EXCHANGE BOX
- Activity #3: TREES AS HABITATS
- Activity #4: ENERGY SLEUTHS
- Activity #5: 400-ACRE WOOD
- Activity #7: WATCH ON WETLANDS
- Activity #8: WASTE WATCHES
- Activity #9: A LOOK AT LIFESTYLES
- Activity #10: IMPROVE YOUR PLACE

Focus on Forests

- Activity #1: WHAT'S A FOREST TO YOU?
- Activity #2: OLD-GROWTH FORESTS
- Activity #4: WHO OWNS AMERICA'S FORESTS?
- Activity #5: BALANCING AMERICA'S FORESTS?
- Activity #6: SQUIRRELS VS. SCOPES
- Activity #8: TAKE ACTION!

Forest Ecology

- Activity #4: HOME SWEET HOME
- Activity #5: SAGA OF THE GYPSY MOTH
- Activity #7: UNDERSTANDING FIRE
- Activity #8: FIRE MANAGEMENT

Municipal Solid Waste

- Activity #1: THE WASTE STREAM
- Activity #2: SOURCE REDUCTION
- Activity #3: RECYCLING AND ECONOMICS
- Activity #5: WASTE-TO-ENERGY
- Activity #6: LANDFILLS
- Activity #8: SUCCESS STORIES & PERSONAL CHOICES

Focus on Risk

- Case Study: PLASTICS

15 (Geography)

STUDENTS WILL DEMONSTRATE THE ABILITY TO APPLY THEIR KNOWLEDGE OF GEOGRAPHIC CONCEPTS, SKILLS, AND TECHNOLOGY TO INTERPRET THE PAST AND PRESENT AND TO PLAN FOR THE FUTURE.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #1: RENEWABLE OR NOT?
- Activity #4: ENERGY SLEUTHS
- Activity #5: 400-ACRE WOOD
- Activity #8: WASTE WATCHERS

Focus on Forests

- Activity #2: OLD-GROWTH FORESTS
- Activity #6: SQUIRRELS VS. SCOPES

Forest Ecology

- Activity #7: UNDERSTANDING FIRE
- Activity #8: FIRE MANAGEMENT

Municipal Solid Waste

- Activity #1: THE WASTE STREAM
- Activity #3: RECYCLING AND ECONOMICS
- Activity #5: WASTE-TO-ENERGY
- Activity #6: LANDFILLS

16 (History)

STUDENTS WILL DEMONSTRATE THE ABILITY TO EMPLOY HISTORICAL ANALYSIS, INTERPRETATION, AND COMPREHENSION TO MAKE REASONED JUDGMENTS AND TO GAIN AN UNDERSTANDING, PERSPECTIVE, AND APPRECIATION OF HISTORY AND ITS USES IN CONTEMPORARY SITUATIONS.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #9: A LOOK AT LIFESTYLES

Focus on Forests

- Activity #7: WORDS TO LIVE BY

Forest Ecology

- Activity #5: SAGA OF THE GYPSY MOTH
- Activity #7: UNDERSTANDING FIRE
- Activity #8: FIRE MANAGEMENT

Municipal Solid Waste

- Activity #1: THE WASTE STREAM
- Activity #3: RECYCLING AND ECONOMICS

17 (History)

STUDENTS WILL DEMONSTRATE A KNOWLEDGE OF THE CHRONOLOGY AND SIGNIFICANCE OF THE UNFOLDING STORY OF AMERICA INCLUDING THE HISTORY OF THEIR COMMUNITY, NEW HAMPSHIRE, AND THE UNITED STATES.

Related PLT Activities

No correlation

18 (History)

STUDENTS WILL DEMONSTRATE A KNOWLEDGE OF THE CHRONOLOGY AND SIGNIFICANT DEVELOPMENTS OF WORLD HISTORY INCLUDING THE STUDY OF ANCIENT, MEDIEVAL, AND MODERN EUROPE (WESTERN CIVILIZATION) WITH PARTICULAR EMPHASIS ON THOSE DEVELOPMENTS THAT HAVE SHAPED THE EXPERIENCE OF THE ENTIRE GLOBE OVER THE LAST 500 YEARS AND THOSE IDEAS, INSTITUTIONS, AND CULTURAL LEGACIES THAT HAVE DIRECTLY INFLUENCED AMERICAN THOUGHT, CULTURE, AND POLITICS.

Related PLT Activities

No correlation

K-12 MATHEMATICS CURRICULUM FRAMEWORK

1a (Problem-Solving and Reasoning)

STUDENTS WILL USE PROBLEM-SOLVING STRATEGIES TO INVESTIGATE AND UNDERSTAND INCREASINGLY COMPLEX MATHEMATICAL CONTENT.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #5: 400-ACRE WOOD

Forest Ecology

- Activity #2: CAST OF THOUSANDS

Municipal Solid Waste

- Activity #1: THE WASTE STREAM
- Activity #3: RECYCLING AND ECONOMICS

Focus on Risk

- Activity #3: CHANCES ARE...UNDERSTANDING PROBABILITY AND RISK
- Activity #4: RISK ASSESSMENT: TOOLS OF THE TRADE

1b (Problem-Solving and Reasoning)

STUDENTS WILL USE MATHEMATICAL REASONING.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #5: 400-ACRE WOOD

Forest Ecology

- Activity #2: CAST OF THOUSANDS

2a (Communication and Connections)

STUDENTS WILL COMMUNICATE THEIR UNDERSTANDING OF MATHEMATICS.

Related PLT Activities

No correlation

2b (Communication and Connections)

STUDENTS WILL RECOGNIZE, DEVELOP, AND EXPLORE MATHEMATICAL CONNECTIONS.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #3: TREES AS HABITATS
- Activity #5: 400-ACRE WOOD
- Activity #8: WASTE WATCHERS

Focus on Forests

- Activity #4: WHO OWNS AMERICA'S FORESTS?

Forest Ecology

- Activity #2: CAST OF THOUSANDS
- Activity #6: STORY OF SUCCESSION
- Activity #7: UNDERSTANDING FIRE

Municipal Solid Waste

- Activity #1: THE WASTE STREAM
- Activity #4: COMPOSTING
- Activity #7: WHERE DOES YOUR GARBAGE GO?
- Activity #8: SUCCESS STORIES & PERSONAL CHOICES

Focus on Risk

- Activity #3: CHANCES ARE...UNDERSTANDING PROBABILITY AND RISK
- Activity #4: RISK ASSESSMENT: TOOLS OF THE TRADE
- Activity #5: COMMUNICATING RISK

3a (Numbers, Numeration, Operations, and Number Theory)

STUDENTS WILL DEVELOP NUMBER SENSE AND AN UNDERSTANDING OF OUR NUMERATION SYSTEM.

Related PLT Activities

No correlation

3b (Numbers, Numeration, Operations, and Number Theory)

STUDENTS WILL UNDERSTAND THE CONCEPTS OF NUMBER OPERATIONS.

Related PLT Activities

No correlation

3c (Numbers, Numeration, Operations, and Number Theory)

STUDENTS WILL COMPUTE.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #5: 400-ACRE WOOD
- Activity #8: WASTE WATCHERS

Focus on Forests

- Activity #4: WHO OWNS AMERICA'S FORESTS?

Forest Ecology

- Activity #2: CAST OF THOUSANDS
- Activity #7: UNDERSTANDING FIRE

Municipal Solid Waste

- Activity #1: THE WASTE STREAM
- Activity #3: RECYCLING AND ECONOMICS

Focus on Risk

- Activity #3: CHANCES ARE...UNDERSTANDING PROBABILITY AND RISK

3d (Numbers, Numeration, Operations, and Number Theory)

STUDENTS WILL USE MENTAL COMPUTATION AND ESTIMATION SKILLS AND STRATEGIES AND KNOW WHEN IT IS APPROPRIATE TO DO SO.

Related PLT Activities

Forest Ecology

- Activity #2: CAST OF THOUSANDS

4a (Geometry, Measurement, and Trigonometry)

STUDENTS WILL NAME, DESCRIBE, MODEL, CLASSIFY, AND COMPARE GEOMETRIC SHAPES AND THEIR PROPERTIES WITH AN EMPHASIS ON THEIR WIDE APPLICABILITY IN HUMAN ACTIVITY.

Related PLT Activities

No correlation

4b (Geometry, Measurement, and Trigonometry)

STUDENTS WILL DEVELOP SPATIAL SENSE.

Related PLT Activities

Forest Ecology

- Activity #2: CAST OF THOUSANDS

Municipal Solid Waste

- Activity #4: COMPOSTING

4c (Geometry, Measurement and Trigonometry)

STUDENTS WILL DEVELOP AN UNDERSTANDING OF MEASUREMENT AND SYSTEMS OF MEASUREMENT THROUGH EXPERIENCES WHICH ENABLE THEM TO USE A VARIETY OF TECHNIQUES, TOOLS, AND UNITS OF MEASUREMENT TO DESCRIBE AND ANALYZE QUANTIFIABLE PHENOMENA.

Related PLT Activities

Forest Ecology

- Activity #2: CAST OF THOUSANDS
- Activity #6: STORY OF SUCCESSION

Municipal Solid Waste

- Activity #4: COMPOSTING

Focus on Risk

- Activity #5: COMMUNICATING RISK

4d (Geometry, Measurement and Trigonometry)

STUDENTS WILL KNOW THE BASIC CONCEPTS OF TRIGONOMETRY AND APPLY THESE CONCEPTS TO REAL-WORLD PROBLEMS.

Related PLT Activities

Forest Ecology

- Activity #2: CAST OF THOUSANDS

5a (Data Analysis, Statistics, and Probability)

STUDENTS WILL USE DATA ANALYSIS, STATISTICS AND PROBABILITY TO ANALYZE GIVEN SITUATIONS AND THE OUTCOMES OF EXPERIMENTS.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #3: TREES AS HABITATS

Focus on Forests

- Activity #4: WHO OWNS AMERICA'S FORESTS?

Forest Ecology

- Activity #6: STORY OF SUCCESSION

Municipal Solid Waste

- Activity #1: THE WASTE STREAM
- Activity #3: RECYCLING AND ECONOMICS
- Activity #4: COMPOSTING
- Activity #7: WHERE DOES YOUR GARBAGE GO?
- Activity #8: SUCCESS STORIES & PERSONAL CHOICES

Focus on Risk

- Activity #1: WHAT IS RISK?
- Activity #3: CHANCES ARE...UNDERSTANDING PROBABILITY AND RISK
- Activity #4: RISK ASSESSMENT: TOOLS OF THE TRADE

6a (Functions, Relations and Algebra)

STUDENTS WILL RECOGNIZE PATTERNS AND DESCRIBE AND REPRESENT RELATIONS AND FUNCTIONS WITH TABLES, GRAPHS, EQUATIONS AND RULES, AND ANALYZE HOW A CHANGE IN ONE ELEMENT RESULTS IN A CHANGE IN ANOTHER.

Related PLT Activities

Focus on Forests

- Activity #4: WHO OWNS AMERICA'S FORESTS?

Focus on Risk

- Activity #3: CHANCES ARE...UNDERSTANDING PROBABILITY AND RISK
- Activity #4: RISK ASSESSMENT: TOOLS OF THE TRADE

6b (Functions, Relations and Algebra)

STUDENTS WILL USE ALGEBRAIC CONCEPTS AND PROCESSES TO REPRESENT SITUATIONS THAT INVOLVE VARIABLE QUANTITIES WITH EXPRESSIONS, EQUATIONS, INEQUALITIES, MATRICES AND GRAPHS.

Related PLT Activities

Municipal Solid Waste

- Activity #3: RECYCLING AND ECONOMICS

7a (Mathematics of Change)

STUDENTS WILL BE ABLE TO USE CONCEPTS ABOUT MATHEMATICAL CHANGE IN ANALYZING PATTERNS, GRAPHS, AND APPLIED SITUATIONS.

Related PLT Activities

Focus on Risk

- Activity #3: CHANCES ARE...UNDERSTANDING PROBABILITY AND RISK
- Activity #4: RISK ASSESSMENT: TOOLS OF THE TRADE

8a (Discrete Mathematics)

STUDENTS WILL USE A VARIETY OF TOOLS FROM DISCRETE MATHEMATICS TO EXPLORE AND MODEL REAL-WORLD.

Related PLT Activities

Focus on Risk

- Activity #3: CHANCES ARE...UNDERSTANDING PROBABILITY AND RISK
- Activity #4: RISK ASSESSMENT: TOOLS OF THE TRADE

K-12 LANGUAGE ARTS CURRICULUM FRAMEWORK

1 (Reading)

STUDENTS WILL DEMONSTRATE THE INTEREST AND ABILITY TO READ AGE-APPROPRIATE MATERIALS FLUENTLY, WITH UNDERSTANDING AND APPRECIATION.

Related PLT Activities

No correlation

2 (Writing)

STUDENTS WILL DEMONSTRATE THE INTEREST AND ABILITY TO WRITE EFFECTIVELY FOR A VARIETY OF PURPOSES AND AUDIENCES.

Related PLT Activities

Focus on Forests

- Activity #2: OLD-GROWTH FORESTS

Focus on Risk

- Activity # 5: COMMUNICATING RISK

3 (Speaking, Listening, and Viewing)

STUDENTS WILL DEMONSTRATE THE INTEREST AND ABILITY TO SPEAK PURPOSEFULLY AND ARTICULATELY, AS WELL AS LISTEN AND VIEW ATTENTIVELY AND CRITICALLY.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #3: TREES AS HABITAT
- Activity #6: DEMOCRACY IN ACTION
- Activity #7: WATCH ON WETLANDS
- Activity #9: A LOOK AT LIFESTYLES
- Activity #10: IMPROVE YOUR PLACE

Focus on Forests

- Activity #2: OLD-GROWTH FORESTS
- Activity #3: TOUGH CHOICES
- Activity #6: SQUIRRELS VS. SCOPES
- Activity #7: WORDS TO LIVE BY

Forest Ecology

- Activity #2: CAST OF THOUSANDS
- Activity #5: SAGA OF THE GYPSY MOTH

Municipal Solid Waste

- Activity #1: THE WASTE STREAM
- Activity #5: WASTE-TO-ENERGY

Focus on Risk

- Activity #1: WHAT IS RISK
- Activity #4: RISK ASSESSMENT: TOOLS OF THE TRADE
- Activity #5: COMMUNICATING RISK
- Activity #6: WEIGHING THE OPTIONS: A LOOK AT TRADEOFFS
- Case Study: CHLORINE

4 (Literature)

STUDENTS WILL DEMONSTRATE COMPETENCE IN UNDERSTANDING, APPRECIATING, INTERPRETING, AND CRITICALLY ANALYZING CLASSICAL AND CONTEMPORARY AMERICAN AND BRITISH LITERATURE AS WELL AS LITERARY WORKS TRANSLATED INTO ENGLISH

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #9: A LOOK AT LIFESTYLES

Focus on Forest

- Activity #7: WORDS TO LIVE BY

5 (English Language Uses)

STUDENTS WILL DEMONSTRATE COMPETENCE IN USING THE INTERACTIVE LANGUAGE PROCESSES OF READING, WRITING, SPEAKING, LISTENING, AND VIEWING, TO GATHER AND ORGANIZE INFORMATION IN A VARIETY OF SUBJECT AREAS.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #9: A LOOK AT LIFESTYLES

Focus on Forest

- Activity #7: WORDS TO LIVE BY

6 (English Language Uses)

STUDENTS WILL DEMONSTRATE COMPETENCE IN USING THE INTERACTIVE LANGUAGE PROCESSES OF READING, WRITING, SPEAKING, LISTENING, AND VIEWING TO COMMUNICATE EFFECTIVELY.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #3: TREES AS HABITAT
- Activity #6: DEMOCRACY IN ACTION
- Activity #7: WATCH ON WETLANDS
- Activity #9: A LOOK AT LIFESTYLES
- Activity #10: IMPROVE YOUR PLACE

Focus on Forest

- Activity #2: OLD-GROWTH FORESTS
- Activity #3: TOUGH CHOICES
- Activity #6: SQUIRRELS VS. SCOPES

Forest Ecology

- Activity #2: CAST OF THOUSANDS
- Activity #5: SAGA OF THE GYPSY MOTH

Municipal Solid Waste

- Activity #1: THE WASTE STREAM
- Activity #5: WASTE-TO-ENERGY

Focus on Risk

- Activity #1: WHAT IS RISK?
- Activity #4: RISK ASSESSMENT: TOOLS OF THE TRADE
- Activity #6: WEIGHING THE OPTIONS: A LOOK AT TRADEOFFS
- Case Study: CHLORINE

7 (English Language Uses)

STUDENTS WILL DEMONSTRATE COMPETENCE IN APPLYING THE INTERACTIVE LANGUAGE PROCESSES OF READING, WRITING, SPEAKING, LISTENING, AND VIEWING TO SUCCEED IN EDUCATIONAL, OCCUPATIONAL, CIVIC, SOCIAL, AND EVERYDAY SETTINGS.

Related PLT Activities

Introductory Handbook for the Secondary Modules

- Activity #3: TREES AS HABITAT
- Activity #6: DEMOCRACY IN ACTION
- Activity #7: WATCH ON WETLANDS
- Activity #9: A LOOK AT LIFESTYLES
- Activity #10: IMPROVE YOUR PLACE

Focus on Forest

- Activity #2: OLD-GROWTH FORESTS
- Activity #3: TOUGH CHOICES
- Activity #6: SQUIRRELS VS. SCOPES
- Activity #7: WORDS TO LIVE BY

Forest Ecology

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- Activity #1: THE WASTE STREAM
- Activity #5: WASTE-TO-ENERGY

Focus on Risk

- Activity #1: WHAT IS RISK?
- Activity #4: RISK ASSESSMENT: TOOLS OF THE TRADE
- Activity #5: COMMUNICATING RISK
- Activity #6: WEIGHING THE OPTIONS: A LOOK AT TRADEOFFS
- Case Study: CHLORINE