



#AMSTI4ALL *Science*

USING PROFICIENCY SCALES TO SUPPORT INSTRUCTION & ASSESSMENT (F2F).....	1 DAY
ELEMENTARY ENGINEERING & COMPUTER SCIENCE EXPERIENCE: SOLAR OVENS (F2F).....	1 DAY
SECONDARY ENGINEERING & COMPUTER SCIENCE EXPERIENCE: PROSTHETIC TAILS (F2F)...	1 DAY
INTRODUCTION TO ARGUMENT DRIVEN INQUIRY: GRADES 3-12 (F2F).....	1 DAY
SECONDARY SCIENCE LAB SAFETY (SELF-PACED ONLINE).....	12 HR

BITE-SIZED VIRTUAL OFFERINGS

STUDENT DISCOURSE IN SCIENCE.....	1 HR
USING FORMATIVE ASSESSMENT IN SCIENCE.....	1 HR
ASSESSING 3-Dimensionally IN PREPARATION FOR THE SCIENCE ACAP (GRADE:4,6,8).....	1½ HR
ACT SCIENCE: OVERVIEW AND RESOURCES.....	1 HR
ACT SCIENCE: DATA REPRESENTATION.....	1 HR
ACT SCIENCE: RESEARCH SUMMARIES.....	1 HR
ACT SCIENCE: CONFLICTING VIEWPOINTS.....	1 HR

PREREQUISITE FOR *Content Training*

SCIENCE FOUNDATIONAL TRAINING (F2F).....	1 DAY
--	-------

CONTENT TRAINING *Elementary Science*

UNIT	K	DAYS	UNIT	1ST	DAYS	UNIT	2ND	DAYS
PLANTS & ANIMALS.....		1	SOUND, LIGHT, & SKY.....		2	MATTER.....		2
WEATHER WALK.....		1	WILD ORGANISMS.....		2	SOILS & SHORES.....		2
PUSH & PULL.....		1				PLANTS & BUGS.....		2

UNIT	3RD	DAYS	UNIT	4TH	DAYS	UNIT	5TH	DAYS
HEREDITY & DIVERSITY.....		2	ENERGY & WAVES.....		3	DYNAMICS OF ECOSYSTEMS.....		3
FORCES & INTERACTIONS.....		3	WATER & LANDFORMS.....		2	MATTER & INTERACTIONS.....		2
WEATHER & CLIMATE.....		1	ANIMAL STUDIES.....		1	EARTH: GRAVITY & SPACE.....		1

CONTENT TRAINING *Secondary Science*

UNIT	DAYS
6: UNDERSTANDING WEATHER & CLIMATE.....	3
6: EXPLORING PLATE TECTONICS.....	4
6: RESEARCHING THE SUN-EARTH-MOON SYSTEM.....	3
6: EXPLORING PLANETARY SYSTEMS.....	3
7: STUDYING THE DEVELOPMENT & REPRODUCTION OF ORGANISMS.....	5
7: INVESTIGATING BIODIVERSITY & INTERDEPENDENCE.....	3
7: EXPLORING BODY SYSTEMS.....	3
8: ELECTRICITY, WAVES, & INFORMATION TRANSFER.....	4
8: EXPERIMENTING WITH FORCES & MOTION.....	3
8: EXPLORING THE PROPERTIES OF MATTER.....	3
8: EXPERIMENTING WITH MIXTURES, COMPOUNDS, & ELEMENTS.....	3

UNIT	BIOLOGY	DAYS
HOMEOSTASIS.....		1
ORDER & COMPOSITION.....		2
ENERGY & METABOLISM.....		3
GROWTH, DEVELOPMENT, & REPRODUCTION.....		1

UNIT	CHEMISTRY	DAYS
USING THE PERIODIC TABLE.....		1
BONDING.....		1
INTERMOLECULAR FORCES.....		1
CHEMICAL REACTIONS.....		1
LAW OF CONSERVATION OF MATTER.....		1
STOICHIOMETRY.....		1
GASES.....		1
ENERGY & TRANSFERS.....		2

UNIT	PHYSICS	DAYS
INTRO TO ONE-DIMENSIONAL MOTION.....		1
INTRO TO TWO-DIMENSIONAL MOTION.....		1
INTRO TO FORCES.....		1
INTRO TO ENERGY & MOMENTUM.....		1
INTRO TO ROTATIONAL MOTION, THERMODYNAMICS, & WAVES.....		1

INDIVIDUAL LESSONS ALSO AVAILABLE FOR HIGH SCHOOL

BIOLOGY.....
CHEMISTRY.....
PHYSICS.....
PHYSICAL SCIENCE.....
ANATOMY & PHYSIOLOGY.....
ENVIRONMENTAL SCIENCE.....
EARTH & SPACE SCIENCE.....

SCAN FOR MORE INFORMATION ON AMSTI'S SCIENCE MENU OF SERVICES

