



LAB-AIDS CORRELATIONS

TERRA NOVA (3RD EDITION) LIST OF ASSESSED TOPICS

GRADES 6 - 8

Materials from the Science Education for Public Understanding Program (SEPUP) are developed at the Lawrence Hall of Science, at the University of California, Berkeley, and distributed nationally by LAB-AIDS, Inc. SEPUP materials are supported by grants from the National Science Foundation. All other materials developed by LAB-AIDS. This correlation is intended to show selected locations in SEPUP and LAB-AIDS programs that support the Terra Nova, Third Edition, published by CTB/McGraw Hill¹. It is not an exhaustive list; other locations may exist that are not listed here.

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Key to SEPUP Core Science Programs:

SEPUP programs are available as full year courses, or separately, as units, each taking 3-9 weeks to complete, as listed below.

MIDDLE SCHOOL

IAES = *Issues and Earth Science*

- Studying Soil Scientifically, 1-11
- Rocks and Minerals, 12-23
- Erosion and Deposition, 24-35
- Plate Tectonics, 36-49
- Weather and Atmosphere, 50-70
- The Earth in Space, 71-84
- Exploring the Solar System, 85-98

IALS = *Issues and Life Science*

- Experimental Design: Studying People Scientifically, 1-10
- Body Works, 11-29
- Cell Biology and Disease, 30-53
- Genetics, 54-71
- Ecology, 72 – 88
- Evolution, 89-101

¹ <http://www.ctb.com/ctb.com/control/productFamilyViewAction?productFamilyId=449&p=products>

- Bioengineering, 102-108

IAPS = *Issues and Physical Science*

- Studying Materials Scientifically, 1-11
- The Chemistry of Materials, 12-29
- Water, 30 – 52
- Energy, 53-72
- Force and Motion, 73-88 (as a separate unit, E1-16)

Other relevant LAB-AIDS kits

LA 214 Simple machines
 P – 110 Investigating Light

LIFE SCIENCE

Terra Nova Topic	SEPUP Unit (IALS)
GRADE 6	
Taxonomy	Ecology
Organ systems	Body Works
Respiration	Body Works
Organisms	Ecology
Ecology: Population increase/ decrease	Ecology
Plants	Ecology
Mitosis, respiration, transpiration, photosynthesis	Ecology
GRADE 7	
Habitat and adaptation	Ecology/Evolution
Life cycles: insects, larva	Ecology (online content)
Cell division	Ecology
Ecosystem	
GRADE 8	
Cells and Energy	Cell biology
Ecology	Ecology
Habitat and adaptation	Ecology/Evolution
Heredity	Genetics
Life cycles	Ecology
Organ systems	Body Works

PHYSICAL SCIENCE

Terra Nova Topic	SEPUP Unit (IAPS)
GRADE 6	
Circuits	Energy

Conductors of electricity	Energy
Heat conduction	Energy
Properties & structure of matter	Chemistry of Materials
Properties of liquid nitrogen	Not covered
Properties of air	IAES Weather unit
GRADE 7	
Energy: Heat, mechanical, sound, electrical	Energy
Simple machines	Simple machines (LA 214)
Electricity	Energy
Mass vs. gravity	Force and Motion/IAES Earth and the Solar System)
Force	Force and Motion
Absorption of light	Investigating light (LA P-110)
GRADE 8	
Energy	Energy
Motions and force	Force and Motion
Structure and properties of matter	Chemistry of Materials

EARTH SCIENCE

Terra Nova Topic	SEPUP Unit (IAES)
GRADE 6	
Water dynamics	Weather
Tides	Earth and Space
Orbit of planets	Earth and the Solar System
Weather and atmosphere	Weather
Rock dynamics	Rocks and Minerals
GRADE 7	
Rock dynamics	Weather
Effect of mountains on climate	Weather
Wind erosion	Erosion and Deposition
Solar system: stars, Milky Way	Earth and the Solar System
Water cycle	Weather
GRADE 8	
Rock dynamics	Rocks and Minerals
Solar system	Earth and the Solar System
Water dynamics	Weather