

Circle Christian School Summer School Skills Checklist - SCIENCE

BIOLOGY I

Bk. Publisher _____

Ch. _____ / Pgs. _____

- Scientific method / Inquiry skills
- Scientific measurement
- Laboratory safety
- Knowledge / Use of lab apparatus
- Cell biology
- Mitosis
- Meiosis
- Punnett Square Crosses
- Biological changes through time
- Classification system
- Taxonomy
- Viruses
- Monerans
- Protists
- Nonvascular plants
- Vascular plants
- Invertebrate animals
- Vertebrate animals
- Human body systems
- Other _____

Ecological relationships

- Individual
- Populations
- Communities
- Ecosystems
- Technology and society
- Other _____

HUMAN ANATOMY / PHYSIOLOGY

Bk. Publisher _____

Ch. _____ / Pgs. _____

- Anatomical terminology
 - Cells
 - Tissues
 - Special sensory organs
 - Homeostasis
 - Disease process
 - Immune response
 - Heredity
 - Molecular mutations
 - Cellular mutations
 - Organismal mutations
 - Genetic disorders
 - Other _____
- Systems
- Integumentary
 - Skeletal
 - Muscular
 - Nervous
 - Endocrine
 - Circulatory
 - Respiratory
 - Digestive
 - Excretory
 - Reproductive

Lab: _____

EARTH / SPACE SCIENCE

Bk. Publisher _____

Ch. _____ / Pgs. _____

- Scientific method / Inquiry skills
- Formation of universe / Solar system
- Geological periods / Fossils
- Divisions of the earth
- Land forms / Mountains / Rivers
- Rocks / Minerals
- Soil composition / Erosion
- Water cycle
- Weather / Seasons / Atmosphere
- Oceanography / Ocean currents
- Meteorology / Cloud types
- Space program / Exploration
- Energy resources
- Other _____

Labs: _____

PHYSICAL SCIENCE

Bk. Publisher _____

Ch. _____ / Pgs. _____

- Scientific method / Inquiry skills
- Dynamics
- Classification of matter
- Interaction of matter
- Periodic table
- Forms of energy
- Electricity
- Magnetism
- Light
- Sound
- Chemical interactions
- Nuclear reactions
- Other _____

Labs: _____

CHEMISTRY I

Bk. Publisher _____

Ch. _____ / Pgs. _____

- Scientific method / Inquiry skills
- Classification
- Structure of matter
- Periodic table
- Bonding
- Chemical formulas
- Chemical reactions
- Chemical equations
- Behavior of gases
- Physical changes
- Acids
- Bases
- Salts
- Energy and physical changes
- Energy and chemical changes
- Other _____

Labs: _____

PHYSICS I

Bk. Publisher _____

Ch. _____ / Pgs. _____

- Scientific method / Inquiry skills
- Kinematics
- Dynamics
- Energy
- Work and power
- Heat and thermodynamics
- Wave characteristics
- Electricity
- Magnetism
- Sound
- Nuclear physics
- Other _____

Labs: _____
