

Table of Contents

COMPETENCY 1.0 FUNDAMENTAL MOVEMENTS, MOTOR DEVELOPMENT, AND MOTOR LEARNING	1
SKILL 1.1 Fundamental movements: locomotor, nonlocomotor, manipulative, and falling/landing movement skills; movement concepts such as body, space, effort, and relationship	1
SKILL 1.2 Growth and motor development: role of perception in motor development, such as in spatial movement relationships; neurophysiology of motor control; effects of motor control; effects of maturation and experience on motor patterns; biological and environmental influences on gender differences in motor performances.	3
SKILL 1.3 Motor learning: classical and current theories of motor learning; variables that affect learning performance; effects of individual differences on learning and performance	6
COMPETENCY 2.0 MOVEMENT FORMS	9
SKILL 2.1 Dance and rhythmic activities; dance forms, such as folk, square, and aerobic dancing; skill analysis of dance movements.....	9
SKILL 2.2 Gymnastics: stunts and tumbling, use of gymnastic apparatus, movement themes in educational gymnastics.....	12
SKILL 2.3 Games: game forms, including, invasion games; cooperative and competitive games; analysis of skills, rules, and strategies of particular games.....	15
SKILL 2.4 Individual/dual/team sports: analysis of skills, injury prevention and safety, rules and strategies, facilities and equipment, lifetime activities and recreational pursuits, adventure and outdoor pursuits, and the martial arts. The emphasis is predominantly on basketball, swimming, soccer, softball, tennis, track and field, and volleyball. Questions may also be based on other sports or activities commonly used in physical education settings.....	16

COMPETENCY 3.0 FITNESS AND EXERCISE SCIENCE	49
SKILL 3.1 Components: cardiorespiratory and muscular endurance, body composition, flexibility	49
SKILL 3.2 Conditioning practices and principles: frequency, intensity, time/duration, the role of exercise	51
SKILL 3.3 Human biology: anatomy and physiology, including identification of major muscles, bones, and systems of the human body and their functions; exercise physiology, including terminology, components of fitness, principles of exercise, roles of body systems in exercise, short- and long-term effects of physical training, relationship between nutrition and fitness	56
COMPETENCY 4.0 SOCIAL SCIENCE FOUNDATIONS	83
SKILL 4.1 History of physical education leading men and women, major issues, and events in the history of physical education; historical relationship of physical education to health and fitness.....	83
SKILL 4.2 Current philosophical issues: purpose of physical education; relationship between teaching and coaching; accountability; roles, benefits, and effects of competition.....	88
SKILL 4.3 Sociological and sociopolitical issues: cultural diversity, equity (Title IX, Individuals with disabilities Education Act, affirmative action), general educational issues.....	92
SKILL 4.4 Psychology: personality factors that affect participation, social-psychological factors that affect participation, cooperation	94
COMPETENCY 5.0 BIOMECHANICS	96
SKILL 5.1 Terminology: mass, force, friction and basic principles of movement: summation of forces, center of gravity, force/speed relations, torque	96
SKILL 5.2 Application of basic principles to sports skills.....	96
SKILL 5.3 Methods of analyzing movement and analysis of basic movement patterns: overhand throw, underhand throw, kick.....	101
SKILL 5.4 Methods of analyzing movement.....	107
SKILL 5.5 Analysis of basic movement patterns: overhand throw, underhand throw, kick	108

COMPETENCY 6.0 HEALTH AND SAFETY	110
SKILL 6.1 Safety and injury prevention: general and specific safety considerations for all movement activities; fitness-related safety considerations, such as warm-up/cool-down, harmful exercise techniques, and environmental conditions	110
SKILL 6.2 Health appraisals and referrals: health-related fitness appraisals; personal goal-setting and assessment, such as Physical Best, President’s Challenge, and Fitness gram; considerations related to the Individuals with Disabilities Education Act.....	117
SKILL 6.3 Liability and legal aspects: considerations of equipment, class organization, supervision, program selection	120
SKILL 6.4 Effects of substance abuse on performance and behavior	125
SKILL 6.5 Effects of substance abuse on physical performance	128
Annotated List of Resources for Physical Education.....	129
Sample Test.....	131
Answer Key	160
Rationales with Sample Questions	161
Rigor Table	162