

Indiana Department of Education

Indiana Content Standards for Educators

PHYSICAL EDUCATION

Physical education teachers are expected to have a broad and comprehensive understanding of the knowledge and skills needed for this educator license, and to use that knowledge to help students prepare for the challenges and opportunities of the twenty-first century. This requires the ability to identify, comprehend, analyze, synthesize, and evaluate the basic principles, fundamental concepts, and essential content defined in these standards, and to apply that knowledge to the tasks of planning and delivering effective instruction and assessment.

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Physical education teachers have a broad and comprehensive understanding of the physiological and mechanical bases of movement.

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Physical education teachers have a broad and comprehensive understanding of movement forms, movement patterns, and movement concepts; as well as the skills to demonstrate competent movement performance.

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Physical education teachers have a broad and comprehensive understanding of the critical elements, skill progressions, strategies, and safety practices associated with participation in sports and recreational/lifetime activities.

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Physical education teachers have a broad and comprehensive understanding of the components and principles of health-related physical fitness, as well as the strategies and skills to help students maintain physical activity and personal fitness for a lifetime.

Standard 6: Personal, Social, and Cognitive Dimensions of Physical Activity

Physical education teachers have a broad and comprehensive understanding of the personal, social, and cognitive dimensions and benefits of physical activity.

Standard 7: Foundations of Physical Education

Physical education teachers have a broad and comprehensive understanding of the historical, philosophical, and legal foundations of the field of physical education.

Standard 8: Physical Education Instruction and Assessment

Physical education teachers have a broad and comprehensive understanding of the principles, methods, and techniques of physical education instruction and assessment.

Standard 9: Instructional Adaptations and Modifications for Students with Disabilities

Physical education teachers have a broad and comprehensive understanding of the instructional adaptations, modifications, and safety considerations involved in the physical education of students with disabilities.

Standard 10: Collaborative, Professional, and Ethical Practice

Physical education teachers have a broad and comprehensive understanding of the collaborative roles and the professional, ethical, and safety standards associated with the field of physical education.

Physical Education Educator Standards

The Indiana Educator Standards for Physical Education describe the knowledge and skills that teachers need to help students achieve the learning outcomes defined by the Indiana Academic Standards for Physical Education. A link to relevant portions of the Indiana Academic Standards can be found below.

[Physical Education](#)

Physical Education Educator Standards

Standard 1: Physical and Motor Development

Physical education teachers have a broad and comprehensive understanding of the stages and characteristics of physical and motor development, as well as factors affecting motor development and motor learning, including:

- 1.1** knowledge of the sequences, stages, and characteristics of physical, cognitive, social, and emotional growth and development during infancy, childhood, adolescence, and young adulthood
- 1.2** factors and conditions that affect physical, cognitive, social, and emotional growth and development; and knowledge of significant developmental issues during infancy, childhood, adolescence, and young adulthood
- 1.3** typical sequences and characteristics of motor development during infancy, childhood, adolescence, and young adulthood
- 1.4** knowledge of theories, principles, concepts, and typical and atypical progressions of motor learning
- 1.5** factors and conditions that influence motor development, motor fitness, motor learning, and physical and motor performance (e.g., developmental changes, health, nutrition, physical and health impairments)
- 1.6** knowledge and application of motor learning concepts such as feedback, readiness, practice, retention, observational learning, transfer of learning, and motor task analysis

Standard 2: Physiological and Mechanical Bases of Movement

Physical education teachers have a broad and comprehensive understanding of the physiological and mechanical bases of movement, including:

- 2.1** the structures, components, actions, and functions of major body systems
- 2.2** key principles of anatomy, physiology, biology, and nutrition in relation to health, growth and development, and physical performance
- 2.3** interactions between body systems in producing movement and ways in which energy is produced during physical activity
- 2.4** cardiorespiratory, muscular, skeletal, and biochemical adaptations to regular physical activity and how physical, emotional, and intellectual changes may influence these adaptations and affect physical performance and fitness
- 2.5** scientific principles such as those related to the laws of motion, center of gravity, force, buoyancy, rotation, spin, torque, levers, acceleration, trajectory, equilibrium, and velocity
- 2.6** knowledge of biomechanical principles in the context of various motor activities, individual body mechanics, and safe and efficient movement

Physical Education Educator Standards

Standard 3: Movement Forms, Patterns, and Concepts

Physical education teachers have a broad and comprehensive understanding of movement forms, movement patterns, and movement concepts; as well as the skills to demonstrate competent movement performance, including:

- 3.1** knowledge of how to promote students' understanding of fundamental movement concepts related to body awareness; body relationships; spatial, directional, and temporal awareness; qualities of movement; and concepts such as self space, general space, direction, level, pathway, tension and relaxation, and speed
- 3.2** characteristics and critical elements of locomotor, nonlocomotor, and object control/manipulative skills and patterns
- 3.3** principles, strategies, and skill progressions for helping students develop locomotor, nonlocomotor, and object control/manipulative skills and use these skills in combination
- 3.4** key concepts, techniques, skill progressions, activities, organizational strategies, safety practices, and types of music for promoting development of rhythmic, creative movement, and dance skills

Standard 4: Sports and Recreational/Lifetime Activities

Physical education teachers have a broad and comprehensive understanding of the critical elements, skill progressions, strategies, and safety practices associated with participation in sports and recreational/lifetime activities, including:

- 4.1** critical elements, techniques, and proper form for executing a variety of sports and recreational/lifetime activities
- 4.2** key concepts, rules, skill progressions, organizational strategies, types of equipment, lead-up games, and safety practices for teaching sports and recreational/lifetime activities
- 4.3** the importance of fair play, rule compliance, etiquette, and fair competition in sports and recreational/lifetime activities
- 4.4** strategies and activities for promoting tactical awareness and use of basic offensive and defensive strategies in sports and games

Physical Education Educator Standards

Standard 5: Health-Related Physical Fitness

Physical education teachers have a broad and comprehensive understanding of the components and principles of health-related physical fitness, as well as the strategies and skills to help students maintain physical activity and personal fitness for a lifetime, including:

- 5.1** the health-related components of physical fitness and types of fitness education used to address each component
- 5.2** principles, skills, techniques, activities, safety practices, and resources for developing, monitoring, and improving cardiorespiratory endurance and muscle fitness
- 5.3** knowledge of sound nutritional and weight management principles; and skills, techniques, activities, and safety practices for developing and improving body composition
- 5.4** principles, criteria, resources, and methods for designing, implementing, and monitoring individualized fitness plans
- 5.5** health risks associated with inactivity and low levels of physical fitness and the impact of regular physical activity on academic achievement, mental health, and the prevention of illness and disease
- 5.6** internal and external factors that affect motivation and participation in physical activity; and approaches, techniques, and resources for motivating students to develop and maintain lifelong healthy eating and physical activity habits

Physical Education Educator Standards

Standard 6: Personal, Social, and Cognitive Dimensions of Physical Activity

Physical education teachers have a broad and comprehensive understanding of the personal, social, and cognitive dimensions and benefits of physical activity, including:

- 6.1** strategies for integrating the physical, social, and cognitive domains through physical activity, exercise, and sport
- 6.2** ways in which students' development may be affected by expectations and perceptions related to body type, gender, body image, physical appearance, skill level, and peer and media influences
- 6.3** the relationship between participation in physical activity and the development of positive self-concept, individual and group member identity, mental and emotional well-being, and enhanced self-management and self-advocacy skills
- 6.4** ways in which sports and recreational/lifetime activities promote positive personal and social behaviors
- 6.5** knowledge of the cognitive dimensions of physical activity and ways in which participation in sports and recreational/lifetime activities can promote critical thinking, decision making, problem solving, goal setting, and conflict management and resolution
- 6.6** the role of physical education in developing students' resource management, consumerism, and media literacy skills in relation to physical activity, fitness, and health
- 6.7** ways in which physical activities offer opportunities for academic achievement, personal challenge, satisfaction, competition, and healthy alternatives to risky behaviors
- 6.8** application of knowledge of individual and group motivation and behavior to create a learning environment that encourages active engagement in learning, positive social interactions, and self-motivation
- 6.9** the ability to create a learning environment that respects personal, family, cultural, and community expectations
- 6.10** strategies for integrating movement activities into daily life and the value and importance of a physically active lifestyle

Standard 7: Foundations of Physical Education

Physical education teachers have a broad and comprehensive understanding of the historical, philosophical, and legal foundations of the field of physical education, including:

- 7.1** the organization, structure, and goals of physical education programs
- 7.2** philosophical, historical, and sociological developments and perspectives related to physical education
- 7.3** state and federal laws and guidelines related to physical education, equity, special education, inclusion, confidentiality, safety, liability, and other educator and student rights and responsibilities
- 7.4** current issues and trends related to knowledge and practice in the field of physical education
- 7.5** the relationship of games, sports, play, and dance to history and culture

Physical Education Educator Standards

Standard 8: Physical Education Instruction and Assessment

Physical education teachers have a broad and comprehensive understanding of the principles, methods, and techniques of physical education instruction and assessment, including:

- 8.1** knowledge and use of research-based physical education practices and curricular models
- 8.2** knowledge of how to design and implement learning experiences that are appropriate for students, based on principles of effective instruction, and aligned with local, state, and national standards
- 8.3** knowledge of how to select and evaluate activities, lesson plans, instructional resources, and curriculum materials
- 8.4** principles and techniques for selecting, adapting, and modifying sports, aquatics, adventure, and recreational/lifetime activities according to learning styles, skill levels, range of individual variation, class size, and available playing space
- 8.5** use of instructional, supervisory, and classroom management procedures to create smooth transitions and effective learning experiences in physical activity settings
- 8.6** effective verbal and nonverbal communication techniques that demonstrate sensitivity to students' differences, encourage positive interactions among students, and foster students' engagement in physical activity
- 8.7** use of demonstrations, explanations, technological resources, and verbal and nonverbal cues and prompts to foster motor skill development and proficiency
- 8.8** use of appropriate physical education strategies and resources to address students' learning styles and cultural, linguistic, and socioeconomic backgrounds
- 8.9** use of computers and other technologies for instruction and class management purposes and to enhance learning opportunities for students
- 8.10** types, characteristics, and limitations of physical education assessment methods and instruments, including cognitive and affective assessment and motor skill/fitness assessment tools and tests; and criteria and strategies for selecting, adapting, and administering a variety of assessment tools and technologies
- 8.11** use of assessment information to determine students' knowledge, skills, attitudes, and fitness levels; monitor students' progress; evaluate instruction; and foster students' development and learning
- 8.12** appropriate interpretation and communication of information from various formal and informal assessments

Physical Education Educator Standards

Standard 9: Instructional Adaptations and Modifications for Students with Disabilities

Physical education teachers have a broad and comprehensive understanding of the instructional adaptations, modifications, and safety considerations involved in the physical education of students with disabilities, including:

- 9.1** factors and conditions that affect the gross-motor skills, fine-motor skills, movement ability, mobility, stability, and motor performance of students with disabilities
- 9.2** principles and techniques for adapting and modifying curriculum, instructional approaches, behavior management strategies, equipment, playing areas, and organizational strategies to support individual student needs
- 9.3** knowledge of barriers to accessibility to physical activity and strategies for creating variations and accommodations in classroom procedures, games, activities, and sports to ensure the inclusion of students with disabilities
- 9.4** principles and strategies for using Individualized Education Program (IEP) recommendations and performance and assessment information to adapt and modify instruction and to evaluate the effectiveness of individualized programs
- 9.5** knowledge and application of assistive technologies that facilitate student learning and communication, and of adaptive devices and equipment that enhance students' stability, mobility, and participation in sports and recreational/lifetime activities
- 9.6** types of contraindicated activities for students with specific disabilities and knowledge of appropriate adaptations and modifications to address contraindications

Physical Education Educator Standards

Standard 10: Collaborative, Professional, and Ethical Practice

Physical education teachers have a broad and comprehensive understanding of the collaborative roles and the professional, ethical, and safety standards associated with the field of physical education, including:

- 10.1** connections between physical education and other subject areas and methods for designing cooperative interdisciplinary learning experiences that allow students to integrate knowledge and skills from multiple subject areas
- 10.2** approaches and strategies for communicating, collaborating, and consulting with administrators, subject-area teachers, adapted physical education teachers, special education teachers, providers of related services, and other school staff
- 10.3** principles and practices associated with safety standards and risk management in the physical education environment
- 10.4** first aid procedures, universal precautions, and principles and practices for the prevention and care of injuries
- 10.5** strategies and resources, including technology, for communicating and collaborating with students, parents/guardians, community stakeholders, school personnel, and business representatives to promote, enhance, and advocate for physical education
- 10.6** practices and approaches consistent with professional codes of conduct, federal and state laws, and other standards of the teaching profession, including legal and ethical guidelines for using digital information and technologies
- 10.7** strategies for using technology, professional networks, in-service opportunities, collegial relationships, conferences, organizations, and publications to enhance professional skills, engage in reflection and self-assessment, and participate in lifelong professional development
- 10.8** strategies for collaborating with the community and connecting students to opportunities for physical activity

Selected Bibliography of Standards and Sources Related to Physical Education

State and National Standards and Curriculum Frameworks

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2. National Association for Sport and Physical Education (NASPE). (2004). *Moving into the future: National standards for physical education* (2nd ed.). Reston, VA: NASPE.
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4. California Commission on Teacher Credentialing. (2004, Revised November 2010). *Physical education teacher preparation in California: Standards of quality and effectiveness for subject matter programs. A handbook for teacher educators & program reviewers*. <http://www.ctc.ca.gov/educator-prep/standards/SSMP-Handbook-PE.pdf>
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9. Powers, S., & Dodd, S. (2009). *Total fitness and wellness* (5th ed.). San Francisco, CA: Pearson Benjamin Cummings.
10. Pangrazi, R., Beighle, A., & Pangrazi, D. (2009). *Promoting physical activity and health in the classroom* (1st ed.). San Francisco, CA: Pearson Benjamin Cummings.
11. Wilmore, J., & Costill, D. (2008). *Physiology of sport and exercise* (4th ed.). Champaign, IL: Human Kinetics.
12. Colvin, A., Marcos, N., & Walker, P. (2008). *Teaching the nuts and bolts of physical education: Ages 5 to 12* (2nd ed.). Champaign, IL: Human Kinetics.
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14. Gabbard, C. P. (2008). *Lifelong motor development* (5th ed.). San Francisco, CA: Pearson Benjamin Cummings.

Selected Bibliography of Standards and Sources Related to Physical Education

Sources on Student Learning and Pedagogical Methodology

15. Ennis, C. (2010). 2010 Alliance Scholar Lecture. On their own: Preparing students for a lifetime. *The Journal of Physical Education, Recreation & Dance (JOPERD)*, 81(5), 17–22.
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17. Lodewyck, K. (2009). Fostering critical thinking in physical education students. *The Journal of Physical Education, Recreation & Dance (JOPERD)*, 80(5), 12–18.
18. Rukavina, P., & Jeansonne, J. (2009). Integrating motor-learning concepts into physical education using guided discovery to address NASPE standard 2. *The Journal of Physical Education, Recreation & Dance (JOPERD)*, 80(9), 23–30.
19. Lieberman, L., & Houston-Wilson, C. (2009). *Strategies for inclusion: A handbook for physical educators* (2nd ed.). Champaign, IL: Human Kinetics.
20. Auxter, D., Pyfer, J., Zittel, L., & Roth, K. (2009). *Principles and methods of adapted physical education and recreation* (11th ed.). Boston, MA: McGraw-Hill.
21. National Association for Sport and Physical Education. (2009). *Appropriate instructional practice guidelines for elementary school physical education*. Reston, VA: NASPE.
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Alignment of Educator Standards with State and National Standards

Indiana Educator Standards for Physical Education	Indiana Academic Standards for Physical Education	NASPE National Standards for Physical Education	NASPE/NCATE National Initial Physical Education Teacher Education Standards	ISTE National Educational Technology Standards
<p><u>Standard 1: Physical and Motor Development</u></p> <p>Physical education teachers have a broad and comprehensive understanding of the stages and characteristics of physical and motor development, as well as factors affecting motor development and motor learning.</p>	<p>K.1, K.2, 1.1, 1.2, 2.1, 2.2, 3.1, 3.2, 4.1, 4.2, 5.1, 5.2, 6.1, 6.2, 7.1, 7.2, 8.1, 8.2, 9.1, 9.2, 10.1, 10.2</p>	<p>1, 2</p>	<p>1.2, 1.3, 1.5, 2.1, 4.1, 4.2, 4.3, 4.4</p>	
<p><u>Standard 2: Physiological and Mechanical Bases of Movement</u></p> <p>Physical education teachers have a broad and comprehensive understanding of the physiological and mechanical bases of movement.</p>	<p>K.2, K.3, 1.2, 1.3, 2.2, 2.3, 3.2, 3.3, 4.2, 4.3, 5.2, 5.3, 6.2, 6.3, 7.2, 7.3, 8.2, 8.3, 9.2, 9.3, 10.2, 10.3</p>	<p>2, 3</p>	<p>1.1, 1.2, 2.2</p>	
<p><u>Standard 3: Movement Forms, Patterns, and Concepts</u></p> <p>Physical education teachers have a broad and comprehensive understanding of movement forms, movement patterns, and movement concepts; as well as the skills to demonstrate competent movement performance.</p>	<p>K.1, K.2, K.5, 1.1, 1.2, 1.5, 2.1, 2.2, 2.5, 3.1, 3.2, 3.5, 4.1, 4.2, 4.5, 5.1, 5.2, 5.5, 6.1, 6.2, 6.5, 7.1, 7.2, 7.5, 8.1, 8.2, 8.5, 9.1, 9.2, 9.5, 10.1, 10.2, 10.5</p>	<p>1, 2, 5</p>	<p>1.1, 1.2, 1.3, 1.5, 2.1, 2.3, 3.6, 4.1, 4.2, 4.3</p>	
<p><u>Standard 4: Sports and Recreational/Lifetime Activities</u></p> <p>Physical education teachers have a broad and comprehensive understanding of the critical elements, skill progressions, strategies, and safety practices associated with participation in sports and recreational/lifetime activities.</p>	<p>K.1, K.2, K.3, K.5, 1.1, 1.2, 1.3, 1.5, 2.1, 2.2, 2.3, 2.5, 3.1, 3.2, 3.3, 3.5, 4.1, 4.2, 4.3, 4.5, 5.1, 5.2, 5.3, 5.5, 6.1, 6.2, 6.3, 6.5, 7.1, 7.2, 7.3, 7.5, 8.1, 8.2, 8.3, 8.5, 9.1, 9.2, 9.3, 9.5, 10.1, 10.2, 10.3, 10.5</p>	<p>1, 2, 3, 5</p>	<p>1.5, 2.1, 2.3, 4.1, 4.2, 4.3, 4.4, 6.1</p>	

Alignment of Educator Standards with State and National Standards

Indiana Educator Standards for Physical Education	Indiana Academic Standards for Physical Education	NASPE National Standards for Physical Education	NASPE/NCATE National Initial Physical Education Teacher Education Standards	ISTE National Educational Technology Standards
<p><u>Standard 5: Health-Related Physical Fitness</u></p> <p>Physical education teachers have a broad and comprehensive understanding of the components and principles of health-related physical fitness, as well as the strategies and skills to help students maintain physical activity and personal fitness for a lifetime.</p>	<p>K.2, K.3, K.4, K.6, 1.2, 1.3, 1.4, 1.6, 2.2, 2.3, 2.4, 2.6, 3.2, 3.3, 3.4, 3.6, 4.2, 4.3, 4.4, 4.6, 5.2, 5.3, 5.4, 5.6, 6.2, 6.3, 6.4, 6.6, 7.2, 7.3, 7.4, 7.6, 8.2, 8.3, 8.4, 8.6, 9.2, 9.3, 9.4, 9.6, 10.2, 10.3, 10.4, 10.6</p>	<p>2, 3, 4, 6</p>	<p>1.1, 1.2, 1.3, 1.5, 2.1, 2.2, 2.3</p>	<p>1a, 1b, 1c, 1d, 2a, 2b, 2c, 2d, 3a, 3b, 3c, 3d</p>
<p><u>Standard 6: Personal, Social, and Cognitive Dimensions of Physical Activity</u></p> <p>Physical education teachers have a broad and comprehensive understanding of the personal, social, and cognitive dimensions and benefits of physical activity.</p>	<p>K.2, K.3, K.4, K.5, K.6, 1.2, 1.3, 1.4, 1.5, 1.6, 2.2, 2.3, 2.4, 2.5, 2.6, 3.2, 3.3, 3.4, 3.5, 3.6, 4.2, 4.3, 4.4, 4.5, 4.6, 5.2, 5.3, 5.4, 5.5, 5.6, 6.2, 6.3, 6.4, 6.5, 6.6, 7.2, 7.3, 7.4, 7.5, 7.6, 8.2, 8.3, 8.4, 8.5, 8.6, 9.2, 9.3, 9.4, 9.5, 9.6, 10.2, 10.3, 10.4, 10.5, 10.6</p>	<p>2, 3, 4, 5, 6</p>	<p>1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 3.4, 3.7, 4.6, 6.1, 6.4</p>	<p>1a, 1b, 1c, 1d, 2a, 2b, 2c, 3c, 3d</p>
<p><u>Standard 7: Foundations of Physical Education</u></p> <p>Physical education teachers have a broad and comprehensive understanding of the historical, philosophical, and legal foundations of the field of physical education.</p>	<p>K.3, K.5, K.6, 1.3, 1.5, 1.6, 2.3, 2.5, 2.6, 3.3, 3.5, 3.6, 4.3, 4.5, 4.6, 5.3, 5.5, 5.6, 6.3, 6.5, 6.6, 7.3, 7.5, 7.6, 8.3, 8.5, 8.6, 9.3, 9.5, 9.6, 10.3, 10.5, 10.6</p>	<p>3, 5, 6</p>	<p>1.4, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7</p>	<p>1a, 1d, 3d, 4a, 4d</p>
<p><u>Standard 8: Physical Education Instruction and Assessment</u></p> <p>Physical education teachers have a broad and comprehensive understanding of the principles, methods, and techniques of physical education instruction and assessment.</p>	<p>K.5, K.6, 1.5, 1.6, 2.5, 2.6, 3.5, 3.6, 4.5, 4.6, 5.5, 5.6, 6.5, 6.6, 7.5, 7.6, 8.5, 8.6, 9.5, 9.6, 10.5, 10.6</p>	<p>5, 6</p>	<p>1.1, 1.2, 1.3, 1.5, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3</p>	<p>1a, 1b, 1c, 1d, 2a, 2b, 2c, 2d, 3a, 3b, 3c, 3d, 4b</p>

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<p><u>Standard 9: Instructional Adaptations and Modifications for Students with Disabilities</u></p> <p>Physical education teachers have a broad and comprehensive understanding of the instructional adaptations, modifications, and safety considerations involved in the physical education of students with disabilities.</p>	K.5, 1.5, 2.5, 3.5, 4.5, 5.5, 6.5, 7.5, 8.5, 9.5, 10.5	5	1.1, 1.2, 1.3, 1.4, 1.5, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1, 5.2, 5.3	1a, 1b, 1c, 1d, 2a, 2b, 2c, 2d, 3a, 3b, 3d, 4a, 4b, 4c, 4d
<p><u>Standard 10: Collaborative, Professional, and Ethical Practice</u></p> <p>Physical education teachers have a broad and comprehensive understanding of the collaborative roles and the professional, ethical, and safety standards associated with the field of physical education.</p>			1.4, 3.4, 3.7, 4.5, 5.3, 6.1, 6.2, 6.3, 6.4	1d, 3a, 3b, 3c, 3d, 4a, 4c, 4d, 5a, 5b, 5c, 5d