General Assessment Information

Test Type: The Biotechnology assessment is included in NOCTI’s Teacher assessment battery. Teacher assessments measure an individual’s technical knowledge and skills in a proctored proficiency examination format. These assessments are used in a large number of states as part of the teacher licensing and/or certification process, assessing competency in all aspects of a particular industry. NOCTI Teacher tests typically offer both a written and performance component that must be administered at a NOCTI-approved Area Test Center. Teacher assessments can be delivered in an online or paper/pencil format.

Revision Team: The assessment content is based on input from subject matter experts representing the states of Connecticut, Georgia, Michigan, Missouri, New York, Oklahoma, and Virginia.

CIP Code
19.0708- Child Care and Support Services Management

Career Cluster 10 - Human Services

25-2011.00- Preschool Teachers, Except Special Education
NOCTI written assessments consist of questions to measure an individual’s factual theoretical knowledge.

**Administration Time:** 3 hours  
**Number of Questions:** 208  
**Number of Sessions:** This assessment may be administered in one, two, or three sessions.

### Areas Covered

- **Health and Safety:** 9%  
- **Cognitive Development:** 12%  
- **Language Development and Communication:** 10%  
- **Physical Development:** 9%  
- **Social and Emotional Development:** 10%  
- **Community and Family Relationships:** 4%  
- **Observation, Documentation, and Assessment:** 6%  
- **Professionalism:** 10%  
- **Classroom Organization and Arrangement:** 11%  
- **Creativity:** 5%  
- **Diversity in the Classroom:** 4%  
- **Inclusion of Children with Special Needs:** 5%  
- **Positive Guidance Techniques and Reinforcement:** 5%
Specific Standards and Competencies Included in this Assessment

Health and Safety
• Identify safety hazards in and around the child care setting
• Identify characteristics of common childhood illnesses
• Describe universal precautions/infection control
• Explain rest and relaxation techniques
• Explain the importance of nutritionally balanced meals and snacks
• Identify indicators and reporting procedures involving child abuse/neglect

Cognitive Development
• Explain cognitive development stages and how they correlate to social, emotional, and physical development
• Give examples of cognitive development
• Describe equipment and activities that promote cognitive development
• List learning opportunities and conditions that develop creative/critical thinking
• Recognize the factors that impact brain development
• Identify important theories involving cognitive development

Language Development and Communication
• Describe the stages of language development
• Describe strategies to encourage expressive and receptive language
• List materials that encourage and support literacy skills
• Demonstrate effective literacy strategies
• List various methods of story presentation
• Describe the factors affecting language development

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Specific Standards and Competencies (continued)

Physical Development
- Explain the stages of fine and gross motor development
- Recognize the factors that impact physical development
- Describe strategies and conditions that encourage physical development
- Select age-appropriate indoor and outdoor play equipment and activities for physical development
- Describe the effects of play on children’s physical development
- Explain how physical development correlates to social, emotional, and cognitive development

Social and Emotional Development
- Discuss teaching techniques that encourage the development of a positive self-concept
- Describe the stages of social and emotional development of children
- Recognize the factors that impact social and emotional development
- Discuss caregiving techniques that develop appropriate social skills
- Identify positive techniques for conflict resolution and mediation
- List strategies to promote self-help skills

Community and Family Relationships
- Describe the importance of cooperative relationships with families
- Identify methods of family involvement
- Describe the components of effective school and home communication

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Specific Standards and Competencies (continued)

Observation, Documentation, and Assessment
• List observation purposes and techniques
• Observe and record children’s developmental learning
• Communicate and interpret observation results

Professionalism
• Identify career-related skills and employment opportunities
• Identify resources for professional development
• Recognize the need for self-assessment for continued professional growth
• Explain the role of a child advocate
• Identify the importance and legal mandates of confidentiality
• Exhibit appropriate characteristics in an educational team setting
• Apply the NAEYC Code of Ethical Conduct to professional practices

Classroom Organization and Arrangement
• Arrange age-appropriate classroom environment
• Prepare and maintain materials and equipment storage
• Develop a balanced daily schedule
• Develop an effective lesson plan
• Describe a variety of transition-time activities
• Recognize laws and regulations that pertain to licensing
• Identify recordkeeping and clerical functions in a child care setting
Creativity
- List strategies for facilitating and displaying/presenting creative products
- Identify appropriate materials and equipment that encourage creative development
- Explain sensory activities and supporting materials

Diversity in the Classroom
- Identify components of a diverse/multicultural curriculum
- Describe ways to incorporate children's home language and traditions

Inclusion of Children with Special Needs
- Identify concerns and basic rights of special needs children
- Describe how to adapt the learning environment to accommodate special needs
- Identify various forms of communication

Positive Guidance Techniques and Reinforcement
- Demonstrate positive adult-child communication
- Identify positive guidance techniques
- Describe how rules and supervision should be set and managed
Sample Questions

In an area where 90 percent of the population is below the national poverty level, which of Maslow's hierarchy of human needs must be attended to first?

A. status  
B. self-actualization  
C. physiological  
D. aesthetic

Regardless of the language or dialect spoken, a child must attain competency in semantics, syntax, pragmatics, and _____ for language development.

A. phonology  
B. ecology  
C. neurology  
D. mythology

A caregiver should be concerned if a child

A. is unable to stand alone by the age of 7 months  
B. cannot speak complete sentences by 15 months  
C. does not react to his/her own name by the age of 1 year  
D. does not learn to read by the age of 3 years

Children learn about meaningful reading by

A. learning the alphabet and letter sounds  
B. using flash cards with simple colorful pictures  
C. waiting until they are in the first grade  
D. being read to and having reading materials available

An example of a large motor activity is

A. playing Go Fish  
B. doing the Hokey Pokey  
C. playing Animal Bingo  
D. working a jigsaw puzzle
Performance Assessment

NOCTI performance assessments allow individuals to demonstrate their acquired skills by completing actual jobs using the tools, materials, machines, and equipment related to the technical area.

**Administration Time:** 2 hours, 55 minutes  
**Number of Jobs:** 3

**Areas Covered:**

**18% Curriculum Planning**  
Participants will complete curriculum web form and small group lesson plan.

**50% Small Group Teaching**  
Participants will develop an appropriate lesson plan and introduce and summarize the lesson with a professional appearance and demeanor, implement the lesson plan and interact with children.

**32% Arrange a Room**  
Participants will create good traffic patterns, arrange the room well, and use quality graphics.
Sample Job

Small Group Teaching

Maximum Time: 25 minutes

Participant Activity: Using a provided copy of the Small Group Lesson Plan, the participant will direct and supervise the activity with a group of preschool children.