

**National Science Teachers Association (NSTA) Standards  
SPA Competencies  
William Paterson University  
College of Education**

Semester  K-12       Undergrad       University Supervisor \_\_\_\_\_       Practicum      PDS  Yes  
 Fall       K-12 w/TSD       Post-Bacc       Cooperating Teacher \_\_\_\_\_       Student Teaching Interim       No  
 Spring       MAT      \_\_\_\_\_       Student Teaching Final

Student's Name \_\_\_\_\_ District \_\_\_\_\_  
School \_\_\_\_\_ Subject \_\_\_\_\_ Grade \_\_\_\_\_

Please rate candidates based on their performance in each standard below.

	3. Target (consistently demonstrates)	2. Acceptable (most of the time)	1. Unacceptable (rarely or never)
<b>Directions: Darken the ovals completely – Do not X or check ✓ the circle</b>	<b>3</b>	<b>2</b>	<b>1</b>
1. Knows and understands major concepts and principles of the science being taught. (NSTA 1a)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Adapts science content to the learners' levels of understanding (NSTA 1b)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. Is able to design and explain investigations and foster the effective analysis of data (NSTA 1c)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Engages learners in activities that define the processes and conventions of science as a professional activity and the standards that define acceptable evidence and scientific explanations. Engages learners in activities that distinguish between basic science, applied science and technology; studies of the historical development of science ideas. (NSTA 2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. Engages learners in effective science inquiry and investigation. (NSTA 3a)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. Uses appropriate strategies to facilitate inquiry and collaboration in inquiry-based lessons in facilitating extended investigations/science projects. (NSTA 3b)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. Engages learners in the study of the relationship of science to cultural and social values, to technology, to personal needs and to needs and practices of fields such as agriculture, business, industry, literature, and the arts. (NSTA 4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. Relates science to local and regional communities and engages students in related studies to promote the learning of sciences. Uses community resources (including parents, scientists, business, etc.) to facilitate learning of science. (NSTA 7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9. Maintains safety in class/laboratory activities and storage and ensures proper treatment of animals. Is aware of safety and ethical responsibilities of the science teacher and resources for maintaining safety. Maintains safety in class/laboratory activities and storage and ensures proper treatment of animals. (NSTA 9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**Comments:**

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\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Cooperating Teacher/University Supervisor Signature

Return Original White Form to the Office of Field Experiences. Please Xerox copies for Cooperating Teacher, University Supervisor & Student