

## SPA Competencies: NSTA

### Variable Key:

- v1.** Knows and understands major concepts and principles of the science being taught. (NSTA 1a)
- v2.** Adapts science content to the learners' levels of understanding (NSTA 1b)
- v3.** Is able to design and explain investigations and foster the effective analysis of data (NSTA 1c)
- v4.** 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)
- v5.** Engages learners in effective science inquiry and investigation. (NSTA 3a)
- v6.** Uses appropriate strategies to facilitate inquiry and collaboration in inquiry-based lessons in facilitating extended investigations/science projects. (NSTA 3b)
- v7.** 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)
- v8.** 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)
- v9.** 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 maintain safety. (NSTA

### Value Key:

- 3** Target (consistently demonstrates)
- 2** Acceptable (most of the time)
- 1** Unacceptable (rarely or never)

<b>Fall 2010</b>
------------------

<b>Respondent Type - University Supervisor   Course - Student Teaching Interim</b>									
	3		2		1		Total		
	N	%	N	%	N	%	N	Mean	%
v1	1	100.0%	0	.0%	0	.0%	1	3.0	100.0%
v2	0	.0%	1	100.0%	0	.0%	1	2.0	100.0%
v3	1	100.0%	0	.0%	0	.0%	1	3.0	100.0%
v4	0	.0%	1	100.0%	0	.0%	1	2.0	100.0%
v5	1	100.0%	0	.0%	0	.0%	1	3.0	100.0%
v6	0	.0%	1	100.0%	0	.0%	1	2.0	100.0%
v7	0	.0%	1	100.0%	0	.0%	1	2.0	100.0%
v8	0	.0%	1	100.0%	0	.0%	1	2.0	100.0%
v9	1	100.0%	0	.0%	0	.0%	1	3.0	100.0%

<b>Respondent Type - University Supervisor   Course - Student Teaching Final</b>									
	3		2		1		Total		
	N	%	N	%	N	%	N	Mean	%
v1	2	100.0%	0	.0%	0	.0%	2	3.0	100.0%
v2	1	50.0%	1	50.0%	0	.0%	2	2.5	100.0%
v3	1	50.0%	1	50.0%	0	.0%	2	2.5	100.0%
v4	1	50.0%	1	50.0%	0	.0%	2	2.5	100.0%
v5	1	50.0%	1	50.0%	0	.0%	2	2.5	100.0%
v6	1	50.0%	1	50.0%	0	.0%	2	2.5	100.0%
v7	1	50.0%	1	50.0%	0	.0%	2	2.5	100.0%
v8	0	.0%	1	50.0%	1	50.0%	2	1.5	100.0%
v9	2	100.0%	0	.0%	0	.0%	2	3.0	100.0%