

RUBRICS:

These rubrics will be used by the instructor to evaluate your paper. Please also **submit a self-assessment** with the paper (1-4 points for each area).

PART I:

	Insufficient (1)	Emergent (2)	Basic Proficiency (3)	Outstanding performance (4)	Self	Prof
Understandings of specific scientific discipline	Does not yet demonstrate a thoughtful consideration of one's discipline.	Demonstrates a partial understanding of the various aspects of one's discipline.	Demonstrates an understanding of the various aspects of one's discipline.	Demonstrates a thoughtful understanding of the various aspects of one's discipline.		
Understandings of science more generally	Does not yet demonstrate a thoughtful consideration of science.	Demonstrates a partial understanding of the various aspects of the nature of science and scientific study.	Demonstrates an understanding of the various aspects of the nature of science and scientific study.	Demonstrates a thoughtful understanding of the various aspects of the nature of science and scientific study.		
Understandings specific to the teaching of science	Demonstrates only cursory consideration of the ways in which a science teacher can make these concepts meaningful and relevant to students	Demonstrates partial consideration of the ways in which a science teacher can make these concepts meaningful and relevant to students	Demonstrates thoughtful consideration of the ways in which a science teacher can make these concepts meaningful and relevant to students	Demonstrates a thoughtful and thorough consideration of the ways in which a science teacher can make these concepts meaningful and relevant to students		
Meets the elements of the assignment	Does not address a number of the understandings listed above.	Addresses most all of the understandings listed above, but missing some important ones.	Addresses all or almost all of the understandings listed above.	Thoughtfully explores all of the understandings listed above.		

PART II:

The following rubrics are intended to evaluate the extent to which in this assignment you have provided evidence of meeting the specific NSTA standards listed below, using the following definitions:

- 1. Insufficient** – i.e., this standard was not met.
- 2. Emergent/needs improvement** – i.e., there is only partial evidence that this standard was addressed or the standard was only partially addressed; more evidence is needed before determining proficiency with respect to this standard.
- 3. Basic proficiency**– i.e., the project provides sufficient evidence of addressing this standard at least at a basic level
- 4. Outstanding performance** – i.e., the project provides a great example of addressing this standard.

NSTA standard:	Self	Prof.
1.a Candidate understands the major concepts, principle, theories, laws and interrelationships of their fields of licensure and supporting fields as recommended by NSTA.		