

Evaluated Item	Developing (0-1)	Acceptable (2-3)	Target (4-5)	Not Observed (NO)
Final rating of candidate's content pedagogy, as demonstrated in this student teaching placement. The student teacher . . .				
2a. Provided and followed written lesson plans that included clear and appropriately written objectives.				
2b. Provided and followed written lesson plans that demonstrated alignment of lesson objectives with NYS learning standards.				
2b(1). Provided and followed written lesson plans that included resources and activities consistent with the National Science Education Standards. <i>(NSTA 6a)</i>				
2c. Used teaching methods that effectively conveyed to students the objectives and key concepts of the lesson.				
2d. Selected a range of texts and materials that are appropriate to lesson objectives, as well as student development level and range of interests.				
2e. Used media or communication tools and/or technologies to enrich learning opportunities. <i>(aligns to NSTA 5d)</i>				
2f. Constantly monitored and adjusted strategies, resources and context in response to learner feedback. <i>(aligns to NSTA 5a)</i>				
Comment:				
Final rating of candidate's ability to assess for student learning, as demonstrated in this student teaching placement. The student teacher . . .				
3a. Used a variety of formative or summative assessment strategies that were productive gauges of developmentally appropriate student learning of instructional goals.				
3b. Demonstrated ability to modify instruction based on the results of formative or summative assessments. <i>(aligns to NSTA 8a)</i>				
3c. Demonstrated ability to adapt assessment tools and practices to meet the range of differentiated learning needs within the classroom. Adaptations were made for students who are either designated as or show the learning needs of Gifted, English Language Learner (ELL), and/or Special Education students. <i>(aligns to NSTA 8b)</i>				
3d. Constructed and used informal or formal assessment instruments that were accurate, reliable, free of bias, and clearly designed to assess depth/breadth of student mastery of stated objectives.				
3e. Used results of assessments as vehicles for students to analyze their own learning. <i>(NSTA 8c)</i>				
Comment:				

Evaluated Item	Developing (0-1)	Acceptable (2-3)	Target (4-5)	Not Observed (NO)
Final rating of candidate's ability to create a positive and productive learning environment, as demonstrated in this student teaching placement. The student teacher . . .				
4a. Began lessons by using appropriate anticipatory sets, building on student prior knowledge, and making lesson objectives clear.				
4b. Used instructional strategies and questioning techniques that encouraged discussion and student exchange, critical thinking, creativity, and problem-solving skills.				
4c. Used teaching strategies that were appropriate to the age or grade level of the classroom and demonstrated knowledge of child development. <i>(aligns to NSTA 5e)</i>				
4d. Effectively used individual, small group, and whole class instruction as appropriate to the lesson topic as well as classroom composition.				
4e. Demonstrated ability to adapt instruction to meet the range of differentiated learning needs within the classroom. Adaptations were made for students who are either designated as or show the learning needs of Gifted, English Language Learner (ELL), and/or Special Education students. <i>(aligns to NSTA 5c)</i>				
4f. Brought closure to lessons by reinforcing key points, and ensuring any remaining student confusion or frustration with the subject matter was appropriately addressed; assigned homework or appropriate extended activities. <i>(aligns to NSTA 5a)</i>				
4g. Established a learning climate that was physically and psychologically safe, and conducive to broad and active participation in learning. <i>(aligns to NSTA 5f)</i>				
4h. Maximized instructional time, with minimum time spent on transitions and discipline.				
4i. Used positive classroom management techniques that encouraged mutual respect and positive recognition of all members of the learning community.				
4j. Exhibited and modeled good communication skills, including effective use of nonverbal cues, and appropriate and accurate use of spoken and written English.				
4k. Demonstrated understanding of the legal and ethical responsibilities of science teachers for the maintenance and disposal of materials. Practiced safe and proper techniques for the preparation, storage, dispensing, supervision, and disposal of materials. <i>(NSTA 9a and 9b)</i>				
4l. Demonstrated understanding of the legal and ethical responsibilities of science teachers for the welfare of their students. Followed safety procedures appropriate for activities. <i>(NSTA 9a and 9c)</i>				
4m. Demonstrated understanding of the legal and ethical responsibilities of science teachers for the proper treatment of animals. Treated all living organisms used or found in the field in a safe, humane and ethical manner. <i>(NSTA 9a and 9d)</i>				
Comment:				
Final rating of candidate's professional behavior and dispositions, as demonstrated in this student teaching				

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placement. The student teacher . . .				
5a. Modeled a reflective attitude toward his/her teaching practice and applies reflection to modifications of future practice. <i>(aligns to NSTA 10b)</i>				
5b. Used feedback from students, supervisors, colleagues and peers toward improvement of teaching. <i>(aligns to NSTA 10c)</i>				
5c. Exhibited professional attitude and demeanor with colleagues and students.				
5d. Exhibited resourcefulness and self-initiative in solving problems, as well as timeliness in completing professional responsibilities such as returning student work.				
5e. Exhibited ability and desire to collaborate with families, colleagues and the community to develop partnerships that can maximize student opportunities for learning and emotional growth and well-being. <i>(aligns to NSTA 10d)</i>				
5f. Exhibited attributes of ethical behavior, trustworthiness, responsibility, and respect for confidentiality in his/her relationships with students and colleagues.				
5g. Treated all students fairly and with respect, and consistently strives to help all students achieve to their fullest capacity.				
5h. As appropriate to his/her student teaching role, exhibited awareness of the learning and emotional needs of all students within his/her classroom, and advocated for additional resources or intervention for individual students.				
5i. Demonstrated awareness and appreciation of the cultural diversity represented within his/her classroom and takes advantage of opportunities to explore the artistic, intellectual and/or historical contributions of various cultures.				
5j. Used instructional and management strategies that support democratic values within the classroom, including tolerance for a variety of opinions, and encouragement of student-centered decision making and problem solving.				
5k. Demonstrated commitment to and propensity for being a lifelong learner; consistently seeks out research, resources, and advice from colleagues to support his/her teaching.				
5l. Demonstrated a genuine enjoyment of the teaching profession and of the academic discipline being taught.				
Comment:				

The evaluations completed by the Cooperating Teacher and the College Supervisor will be reviewed during the final conference of both parties with the student teacher. Any differences in ratings should be discussed at that conference, with the form of the College Supervisor reflecting the rating of record. However, a rating of Developing or Not Observed on any item given by either the Cooperating Teacher or the College Supervisor -- that is not resolved in the final conference -- requires follow-up to be recorded by the College Supervisor in Part 3 of this form.

PART 2. To be completed by the College Supervisor during, or as advised by, the final conference between the student teacher, cooperating teacher, and supervisor.

Please check one box:

- The student teacher has successfully completed requirements for the student teaching placement. Part 3 of this report is not needed.
- The student teacher has successfully completed most requirements for the student teaching placement, but further information is required. Go to Part 3-1.
- The student teacher failed to complete requirements for the student teaching placement. Go to Part 3-2 of this form.

Signatures required

Cooperating teacher _____ **Date** _____

College supervisor _____ **Date** _____

I have reviewed and understand the decision above:

Student teacher _____ **Date** _____

Part 3-2. To be completed only if the student teacher has, as indicated in Part 2, substantively failed to complete the requirements of the student teaching placement, as attested to by one or more developing ratings in Part I. As a result, the student will be considered as failing from [courses]. Furthermore, the student will not be allowed to complete the teacher education program at York College and cannot be recommended by the college for NY state teaching certification.

The student should pursue one or both of the following options:

(1) Schedule a meeting with his or her advisor to discuss options available for graduating from York College with a baccalaureate degree in a different major [or as a non-major].

(2) Consult appeals process for contesting an adverse academic decision (see appeal process in college bulletin)

Reason for decision:

Signature of Chairperson of Teacher Education

Date

Rubric for Use with Student Teaching Observation Form (Science Education)

Note on rubrics: ST stands for student teacher; CT and CS are used occasionally as abbreviations for Cooperating Teacher and College Supervisor, respectively. The term "in addition," at the beginning of descriptors for some Target level indicators, means *in addition to* characteristics at the Acceptable level. Dependent on the evaluated item, rubrics and the evaluation are inclusive of qualities observed by the College Supervisor in written lesson plans, lesson delivery, and/or reflections made by the ST in conference with the College Supervisor, or with the supervisor and the Cooperating Teacher.

Please also note that the College Supervisor's scoring on the Final Evaluation should reflect consistency with scoring on the Student Teacher Observations. In particular, a score in the "developing" category for any one item should not be given on the Final Evaluation unless the candidate scored in that category in one or more of the Observations on that same item, and did not improve as a result of a written remediation plan following the observation. Moreover, scoring on the final evaluation should reflect (as appropriate and using the best judgment of the evaluator) the candidate's abilities at the end of the placement, at least in cases where the candidate has shown steady improvement.

Evaluated Item	Developing (0-1)	Acceptable (2-3)	Target (4-5)
1. APPLIED CONTENT KNOWLEDGE. The student teacher . . .			
1a. Demonstrated accuracy as well as a depth and breadth of content knowledge in the subject area taught.	Lesson plans and the delivery of instruction reflect that the ST has limited science-based content knowledge of the subject taught, and overall was not prepared to answer questions, make connections, or provide explanations in ways that reflected fluency and depth of understanding of the subject or topic of lessons. The ST may have shown hesitance or lack of confidence in delivery of concepts or facts. The ST may have provided inaccurate or misleading information. The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.	Overall, lesson plans and teaching demonstrate that the candidate has sufficient mastery of science-based content knowledge related to the subject area(s) of the lessons delivered. Instruction reflected sufficient breadth of knowledge related to the topic (i.e. covered a range of interrelated information) as well as depth of knowledge (e.g. historical roots, means of inquiry), with no significant factual or contextual errors noted by this observer.	The ST's delivery of instruction reflects that he/she is consistently and clearly well informed and fluent in terms of the science content area(s) that were the focus of instruction. The ST consistently provided examples, illustrations, explanations, or alternative approaches to topics that helped students grasp concepts or make connections to other subject areas or personal interests and experience. Resources and written materials provided reflected a depth and range of knowledge of topic(s) explored.
1b. Demonstrated ability to make connections across the curricular areas of childhood education.	Overall, the ST did not make a concerted effort, in either in lesson plans or in teaching, to draw connections across the curriculum. The ST missed opportunities during lessons (e.g. in explanations or in response to student questions or observations) to make interdisciplinary connections	Overall and as demonstrated in lesson plans and in instruction, the ST made instructional connections to other curricular areas and learning objectives or topics that his/her students were currently or had recently been	In both teaching and in lesson plans, the ST consistently made deliberate efforts to link learning experiences across disciplines in order for students to understand and appreciate the interconnections of their learning experiences.

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	that would have served to enhance student learning opportunities and their conceptual understanding of interdisciplinary connections. The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.	exposed to. The ST demonstrated the ability to make logical, accurate and thematically relevant associations between and across curriculum areas.	Assignments and/or activities included interdisciplinary connections as appropriate to enhance learning. The ST demonstrated ease and facility in drawing connections between the various lessons and topics students were studying.
2. CONTENT PEDAGOGY. The student teacher . . .			
2a. Provided and followed a written lesson plan that included clear and appropriately written objectives.	Lesson plans (LPs) were not provided for some lessons, were not well developed, or were incomplete. Follow-up requested for submission or improvement of lesson plans may not have been completed or completed satisfactorily. LPs were not organized under clearly written lesson objectives, or designed in such a way that objectives could be met. Lesson objectives may have been too broad, overly ambitious to be accomplished within the time span of the lesson, or conversely, too narrow and limited to be the focus or an entire lesson. The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.	Overall, written lesson plans provided included clearly stated learning objectives, and choices made for the lesson, texts, activities and resources were well aligned to those objectives (in other words, there was no "disconnect" between objectives and learning activities.)	Lesson plans were consistently well designed as vehicles for the learning objectives set forth. It is clear that the ST had worked to design a lesson that could combine related objectives and/or maximize learning opportunities in a way that was both reasonable and challenging.
2b. Provided and followed a written lesson plan that demonstrated alignment of lesson objectives with NYS learning standards.	The lesson plans (LPs) did not always identify the NYS learning standards that the lesson was intended to address. Or, the learning objectives for the lessons did not always clearly align to standards, or did not seem to or prove to be suitable means by which students could approach or attain mastery of state standards. The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.	The written lesson plans provided were driven by NYS learning standards, with lesson objectives appropriately selected to be a means for students to achieve the learning standards.	In addition, the learning objectives established were creative and engaging means for student achievement of state learning standards.
2b(1). Provided and	Lesson plans and/or	Overall, lesson plans and	In addition, lesson design

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followed a written lesson plan that included resources and activities consistent with the National Science Education Standards. <i>(NSTA 6a)</i>	implementation did not include reference to NSES standards, or the ST was not familiar with those standards and their application to science education and learning objectives for the lesson. The reference to NSES in the lesson plan may have been superficial and/or not apparent in lesson delivery.	implementation were designed to incorporate identified NSE standards in activities and resources used. It was clear that the ST was familiar with the NSES and knew how to apply those standards in terms of resources and activities.	and implementation seamlessly and plausibly integrated the NSES and NY learning standards in ways that were engaging and creative.
2c. Used teaching methods that effectively conveyed to students the objectives and key concepts of the lesson.	Methods used to teach lessons were not consistently well suited to conveying lesson objectives. The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.	Overall, teaching methods used in design and delivery of lessons (e.g. lecture, discussion, group work, brainstorming session) were productive means for the exploration of the key concepts of the lesson and achievement of learning objectives.	The ST used a variety of teaching methods that were appropriate to the lesson topics and kept students consistently engaged. Methods used reflected the ST's knowledge of current pedagogical best practices in teaching the subject.
2d. Selected a range of texts, materials that are appropriate to lesson objectives, as well as student development level and range of interests.	Texts and materials used in lessons may not have been well suited or clearly linked to learning objectives, or may have been inappropriate or insufficiently challenging for the developmental level of students. The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.	Overall, lessons were enhanced and guided by well chosen texts and print or nonprint materials (e.g. handouts, manipulatives) that were appropriate to the development level of students, and good vehicles for the engagement of student interest.	The ST consistently led students through a range of integrated, well sequenced and challenging activities that clearly held student interest and were consistently focused on lesson goals.
2e. Used a variety of media or communication tools and/or technologies to enrich learning opportunities. <i>(aligns to NSTA 5d)</i>	The ST did not make use, or effective use, of media or technology, even though technology was available and could have enhanced student learning experience. The ST may have avoided use of common forms of available instructional technology due to inability to use the technology. Conversely, the ST used technology or media in ways that were not supplemented by active student participation or interaction, that did not hold student interest, or were otherwise ineffective means of instructional delivery and/or	On one or more occasions during the student teaching placement, the ST used technology in order to broaden or deepen student comprehension of lesson objectives, but in ways that ensured the student was also an active participant in learning activities. Technology may also have been used by the ST as a way to individualize instruction. The ST pre-tested websites or equipment to ensure that glitches did	Technology and/or media choices strongly enhanced student learning opportunities. It was clear that the ST had done his/her "homework" in making choices related to media shown or instructional technology used, and had created or researched follow-up or interactive assignments. The ST exhibited great facility in using technology-based instruments and/or teaching students how to use technology effectively.

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	appeared to be used as a “substitute” for active instruction by the ST. The ST may have wasted instructional time due to lack of planning related to technology-related access or equipment problems.	not occur during the lesson. The ST exhibited ability to use (or learned to use) available classroom technology, and used it efficiently and properly.	
2f. Constantly monitored and adjusted strategies, resources and context in response to learner feedback. <i>(aligns to NSTA 5f)</i>	The student teacher did not consistently respond to cues from students in terms of their absorption and engagement with the instructional process. The student teacher appeared unable or unwilling to diverge from the written lesson plan even though it was clear that he or she had lost the interest or comprehension of many students. The ST’s performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.	Overall, the ST exhibited awareness of student response to instruction, and may have made some alteration to a lesson plan or delivery mode during the course of individual lessons. The ST was reasonably able to reflect on how student response to delivery of a lesson would impact the ST’s preparation and delivery of future lessons.	The ST exhibited consistent awareness of student interest and participation in learning activities, and adjusted the pace or methodology of his/her teaching in response to “signals” (e.g. restlessness, lack of participation or comprehension, desire to know more about a certain aspect of the lesson, etc.).
3. ASSESSMENT AND STUDENT LEARNING. The student teacher . . .			
3a. Used a variety of formative or summative assessment strategies that are productive gauges of developmentally appropriate student learning of instructional goals.	The ST may have not consistently employed any form of formal or informal assessment during lessons, or may have used assessments that did not seem appropriate (e.g. a comprehensive test in the middle of a unit) or sufficiently challenging. The ST may have used too much instructional time for an assessment that did not appear to be particularly useful as a gauge of student learning. Questioning was limited and/or focused on lower order thinking. The ST’s performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.	Overall, the ST used assessment strategies that were appropriate to the lesson goals. Any formative or summative assessments used (e.g. quizzes, tests) were appropriate to the depth and breadth of knowledge covered by the lesson or in cumulative lessons. Assessments of an informal or formative nature did not take an excessive amount of time away from teaching and learning activities. Questioning incorporated some range of levels of thinking and provided insight about student progress toward learning goals.	Assessments used by the ST were consistently well integrated with lessons, and in themselves proved to be productive means of engaging students in the integration of their own learning. Questioning spanned levels of thinking, generating responses that required higher order thinking by the students, and probed deeply into student understanding.
3b. Demonstrated ability to modify instruction based on the results of formative or summative	The ST could not always explain (in subsequent conference with the CT and/or CS) how results of assessment were applied to	Overall, the ST was able to explain how the results of informal or formal assessments employed in	In addition, the ST was consistently able to reflect knowledgeably and perceptively on changes

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assessments. <i>(aligns to NSTA 8a)</i>	future instructional planning. It may not have been apparent that the ST modified his original plans for the unit in response to student learning gains that exceeded or did not meet expectations. The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.	a given lesson would impact subsequent teaching, or was able to explain how the lesson delivered had been altered based on results of prior student assessment.	that might be made to future lessons based on assessment or monitoring of student learning done in the lesson just delivered, and/or was able to talk knowledgeably about why the assessment strategies in the day's lesson were chosen.
3c. Demonstrated ability to adapt assessment tools and practices to meet the range of differentiated learning needs within the classroom. Adaptations were made for students who are either designated as or show the learning needs of Gifted, ELL, and/or Special Education students. <i>(aligns to NSTA 8b)</i>	The ST did not consistently make alterations or modifications of assessment for individual students, even though it appeared to the CS (or had been suggested or directed by the CT) that such modification was either necessary or recommended. In conference, the ST could not explain why assessment modifications were not made. The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.	In the design and delivery of assessments used in lessons (informal, summative or formative), the ST included planning for the assessment of exceptional learners, and/or was able to explain how assessment choices made did not disadvantage, exclude or draw attention to atypical learners in the classroom. Dependent on the range of needs, the ST worked with the cooperating teacher to ensure assessment for all students was handled appropriately.	In addition, the ST showed sensitivity and understanding to the needs of exceptional learners in his/her classroom, and may have done some research into alternative assessment strategies for atypical learners, as well as engaged the CT in advice or context as to best means to assess particular student(s) on the lesson topic. The ST was able to explain his/her choices, both in assessment modifications made and/or how feedback would be reviewed and provided to students with atypical needs.
3d. Constructed and used informal or formal assessment instruments that are accurate, reliable, free of bias, and clearly designed to assess depth/breadth of student mastery of stated objectives.	Two or more written assessment materials used by the ST (quizzes, tests, instructions) included significant inaccuracies or ambiguous language. Informal, oral assessment (e.g. a question and answer session) may have excluded some students from the range of responses, or otherwise been ineffectively employed. In conference, the ST could not always explain or defend that assessments used were free of bias or were reliable measures of student learning. Assessments may have been overly simplistic or limited to	Overall, assessments used by the candidate were well designed and reflected a basic knowledge of principles of assessment methodology. Written assessment materials accompanying lesson plans were generally free of error. Instructions provided to students (oral or written) were clearly stated and not ambiguous. Assessments or quizzes derived from the class text or workbook had been pre-examined by the ST for	In addition, the ST could knowledgeably discuss the assessment choices made, and critique the quality of assessment in terms of its reliability, accuracy and lack of bias.

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	gauge the depth and breadth of learning.	any errors or ambiguities, as well as their congruence to materials covered in instruction, with adjustments made as needed.	
3e. Used results of assessments as vehicles for students to analyze their own learning. (NSTA 8c)	The ST did not incorporate an opportunity for students to analyze their own learning in any of the lessons; or, the opportunity was superficial and did not involve students' analysis of scientific knowledge.	The assessment instrument and/or lesson plan and implementation of one or more lessons included the opportunity for students to analyze or determine their own learning progress in ways that contributed to their learning.	The ST consistently used strategies for student analysis of their own learning that were exceptionally engaging and appeared to lead to growth in student knowledge.
4. LEARNING ENVIRONMENT. The student teacher . . .			
4a. Began the lesson by using appropriate anticipatory sets, building on student prior knowledge, and making lesson objectives clear.	Overall, the ST did not spend enough time (or spent too much time) setting the stage for a lesson. The ST did not consistently or clearly explain to students what the learning goals were for the day's lesson, and/or did not adequately review the previous lessons that the current lesson would build upon. The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.	The ST consistently set the stage for lessons by a review of prior student learning, and setting a context for new learning. Overall, students were informed of what they would learn about in the lesson, and what they should be able to know and do at its conclusion. In general, the ST ascertained (or had previously ascertained) student knowledge of the topic before beginning the lesson, using means designed to bring to the surface any student misconceptions or errors in knowledge that would create barriers to further learning.	In addition, the ST consistently began lessons by setting the proper tone for the learning activities to follow, and knew how to "hook" student interest and anticipation, as well as how to relieve any anticipatory anxiety for activities on the day's agenda.
4b. Used instructional strategies and questioning techniques that encouraged discussion and student exchange, critical thinking, creativity, and problem-solving skills.	The ST relied mainly on "rote" instruction and did not engage students as active participants in learning. Questioning involved lower order thinking and engaged few students. Neither the lesson plan nor lesson delivery included activities designed to engage students in active or critical exploration of lesson topics. The ST's performance did not	Overall, the ST used strategies that encouraged students' active engagement with learning objectives (e.g. art or other creative projects, journaling, role playing, inquiry-based projects, discussion and debates, reflective essays). Questioning generally incorporated	The ST demonstrated that he or she had put effort into designing or locating resources that would create strong interactive learning activities for students that were directly related to the lesson objectives. In discussion, the ST may have referenced best practice research as a foundation

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	improve, or did not improve sufficiently, over the period of the student teaching placement.	some range of levels of thinking and engaged the majority of students.	for instructional strategies used. Questioning spanned levels of thinking, engaging all students in higher order thinking.
4c. Used teaching strategies that are appropriate to the age or grade level of the classroom and demonstrated knowledge of child development.	It was not always clear that teaching strategies used were appropriate to the overall age or grade level of the class, or that the ST had taken developmental characteristics of the age/grade level into consideration in planning lessons.	Design/delivery of learning activities was consistently age or grade appropriate, and reflected at least general understanding of the physiological and psychological development typical of the age or grade level (e.g. attention span, cognitive development, social maturity, gender sensitivity).	In addition, the ST could give examples about how instructional choices made, large or small, were made in recognition of the developmental characteristics of the age/grade range of students in the classroom.
4d. Effectively used individual, small group, and whole class instruction as appropriate to the lesson topic as well as classroom composition.	The ST's choice of instructional grouping for lessons was not always effective (e.g. students may have been insufficiently prepared to work effectively in groups; conversely, a lecture format used may not have been conducive to interactive and hands-on learning suggested by the learning objectives or lesson topic). The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.	Overall, the ST made appropriate choices for classroom groupings best suited for the lesson objectives, learning activities, and range of abilities exhibited by students in the class. Instructional choices in this regard also made good use of physical and personnel resources or constraints.	The ST consistently made thoughtful and very effective choices in terms of instructional grouping, taking into consideration the needs or learning styles of individual students as well as the type of groupings that would be the best approach to achieving learning objectives for the lesson.
4e. Demonstrated ability to adapt instruction to meet the range of differentiated learning needs within the classroom. Adaptations were made for students who are either designated as or show the learning needs of Gifted, ELL, and/or Special Education students. (<i>aligns to NSTA 5e</i>)	There was no evidence in several or most lesson plans that the ST had included adapted instructional strategies for individual students. (In conference, the ST was unable to knowledgeably discuss whether or not he/she had considered individual learning needs in lesson design, and had made a deliberate choice to create a lesson that did not require adaptation.) The ST's performance did not improve, or did not improve sufficiently, over the period of the student	Overall, written lesson plans as well as lesson delivery were designed to ensure all students within the class would learn to the best of his/her ability. The ST made good pre-planning and practical choices to ensure that students with exceptional learning needs were given additional support, individualized instructional activities, or other adaptations without the result that students were	In addition, the ST consistently designed and delivered overall instruction in such a way that attention to differentiated learning needs did not "slow down" or adversely impact whole class instruction. Adaptation of instruction for atypical learners was always planned and implemented in such a way that those learners were not unduly singled out or isolated in potentially insensitive ways.

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<p>4f. Brought closure to the lesson by reinforcing key points, and ensuring any remaining student confusion or frustration with the subject matter was appropriately addressed; assigned homework or appropriate extended activities. <i>(aligns to NSTA 5a)</i></p>	<p>teaching placement.</p> <p>The ST exhibited a tendency to end the class abruptly, without any attempt to summarize the lesson and make links to homework or future activities or lesson. The ST may have tended to ignore or not acknowledge student frustration or questions left unresolved at the end of the class. The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.</p>	<p>consistently isolated or excluded from whole class participation.</p> <p>Overall, the ST allowed sufficient time at the end of the lesson to summarize class progress and expectations in terms of the day's learning achievements, ongoing projects, homework, future activities. Generally, the end-of-class sessions allowed sufficient time to acknowledge and/or resolve questions or frustrations related to student learning progress, and to set the stage for the subsequent lesson.</p>	<p>In addition, the ST ended the class by creating a sense of anticipation for what was to come in the next or future classes. The ST may also have exhibited the ability to gracefully reconfigure lesson time and allow for closure even when a lesson was interrupted or shortened due to unforeseen circumstances.</p>
<p>4g. Established a learning climate that was physically and psychologically safe, and conducive to broad and active participation in learning. <i>(aligns to NSTA 5f)</i></p>	<p>The ST did not appear to make an effort to create a classroom atmosphere in which all students were encouraged to participate, and may have ignored or responded inappropriately to ridicule of some students by other students. The ST may have failed to take steps to draw out students who did not participate or withdrew from class participation. The ST may have ignored or not taken steps to ensure accident or injury were avoided in the planning or implementation of a particular activity. The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.</p>	<p>Overall, the ST created an atmosphere that was conducive to active participation by all students, and demonstrated lack of tolerance for bullying, sarcasm or ridicule. In addition and as appropriate to class circumstances, the ST ensured physical safety (e.g. placement of objects, not blocking exits, teaching safety precautions prior to an activity).</p>	<p>In addition, the ST consistently created an atmosphere that was enjoyable, inclusive, and nonthreatening for all students. The ST deftly employed strategies that did not allow one or two students to dominate class discussion, as well as used sensitive strategies for drawing other students into discussion or a sense of belonging to the classroom community. The ST was able to pick up subtle signs of antisocial student behavior and handle them well or reflect on how they might be handled.</p>
<p>4h. Maximized instructional time, with minimum time spent on transitions and discipline.</p>	<p>Lessons delivered by the ST sometimes included interruptions or wasted time that might have been avoided by preplanning or better choices made during classtime. Student learning and focus may have appeared to be disrupted by too many transitions or</p>	<p>Overall, the ST demonstrated a grasp of communication methods, practical methods and preplanning techniques designed to minimize loss of instructional time. Based on circumstances, the ST made good</p>	<p>In addition, the ST exhibited the ability to "think on his or her feet" in order to minimize disruption caused by an unforeseen event, error, or student disruption. The ST managed to keep students focused on lesson topics</p>

Evaluated Item	Developing (0-1)	Acceptable (2-3)	Target (4-5)
	<p>transitions that were not well handled or planned for. The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.</p>	<p>decisions related to time spent on discipline matters or distraction by individual students. Although ST used various teaching strategies, student attention to the lesson focus was not unduly distracted by constant transitions from one activity to another.</p>	<p>without allowing undue distraction to be caused by nonlearning events.</p>
<p>4i. Used positive classroom management techniques that encourage mutual respect and positive recognition of all members of the learning community.</p>	<p>The ST did not, overall, exhibit the ability to manage the classroom in a way that ensured a positive classroom environment. Classroom management decisions may have detracted from learning by individuals or groups of students and/or may not have conveyed a respectful or positive approach to student behavior. The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.</p>	<p>Overall, the ST employed techniques that tended to bring out the best characteristics and abilities in students, and did not allow certain students to dominate or distract. The ST directed discussions, assigned groups, and made other decisions designed to discourage isolating or segregating practices among students.</p>	<p>In addition, the ST consistently employed techniques designed to foster a sense of mutual appreciation, tolerance and collegiality in the classroom. The ST may also have done a superb job in managing or diffusing a difficult situation, with the result of visibly increasing student confidence in the ST's ability to maintain a stable and safe environment.</p>
<p>4j. Exhibited and modeled good communication skills, including effective use of nonverbal cues, and appropriate and accurate use of spoken and written English.</p>	<p>The ST did not exhibit good communication skills, which may be due to a still developing level of self-confidence. Directions or instruction conveyed to students may not have been clear. The ST may have made noticeable grammatical errors in oral or written communications. The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.</p>	<p>Overall, the ST communicated information and instruction in an effective manner, and did a good job leading discussions and eliciting student responses. The ST organized information in such a way that students were able to grasp key concepts, and answered student questions clearly. In all respects, the ST used correct grammar and word choices, and modeled correct usage of the English language. The ST also modeled good locution skills.</p>	<p>The ST is clearly an excellent communicator, and maintained student interest and understanding throughout lessons. As appropriate, the ST did not "dominate" as much as lead the learning activities, and was adept at using nonverbal cues to maintain class discipline, or convey other information, so as to minimize disruption and keep focus.</p>
<p>4k. Demonstrated understanding of the legal and ethical responsibilities of science teachers for the</p>	<p>In the conduct of applicable lessons, the ST appeared to ignore or not be aware of legal and ethical responsibilities pertaining to the context of the</p>	<p>In the conduct and context of lessons observed, the ST demonstrated knowledge of applicable laws and professional ethics in areas identified by the standard. In the conferences following the observations, the ST was able to articulate any legal ramifications and</p>	

Evaluated Item	Developing (0-1)	Acceptable (2-3)	Target (4-5)
welfare of their students, proper treatment of animals, and maintenance and disposal of materials. (NSTA 9a)	lesson and/or situations arising from the lesson. The ST was not able to articulate the legal or ethical ramifications that were applicable to lessons or situations of real or potential occurrence during the lesson. The ST's performance did not improve, or did not improve sufficiently, over the period of the student teaching placement.	consequential decisions that applied to the lesson, as well as to occurrences during the lesson or his/her readiness to deal with potential situations that may have occurred. The ST was able to explain any ethical decisions made or actions taken, and reasons for those actions.	
4l. Practiced safe and proper techniques for the preparation, storage, dispensing, supervision, and disposal of materials. (NSTA 9b)	On one or more occasion, the ST took shortcuts or improperly performed safe protocols as covered by this standard. The ST may have acted or failed to act in such a way that could have had damaging consequences.	In the conduct or context of lessons observed, the ST practiced acceptable safety protocols in areas identified by this standard, and taught procedures to students as applicable. The ST did not make any significant errors or demonstrate negligence that could have harmful consequences. The ST was able to explain decisions and actions taken.	
4m. Followed safety procedures appropriate for activities. (NSTA 9c)	On one or more occasion, the ST ignored or did not sufficiently perform safety procedures, and/or failed to teach them to students or taught them inaccurately. The ST may have acted or failed to act in such a way that may have had damaging consequences.	The ST followed safety protocols applicable to the lesson and explained them to students. The ST was able to articulate safety procedures followed and reasons for them. No action (or lack of action) taken by the ST was potentially dangerous or negligent.	
4n. Treated all living organisms used or found in the field in a safe, humane and ethical manner. (NSTA 9d)	The ST did not appear aware of or was not able to articulate his/her responsibility for the safe and humane treatment of animals kept in the classroom or used for lesson objectives.	The ST treated any living organisms kept in the classroom or used in lessons in an ethical manner, and made wise and humane choices in terms of the captivity and care of living things. The ST taught students about humane and ethical care of living things. The ST allowed students who objected to the use of animals on behalf of science both a voice and alternatives in achieving lesson goals.	
5. PROFESSIONAL BEHAVIOR AND DISPOSITIONS. The student teacher . . .			
5a. Has modeled a reflective attitude toward his/her teaching practice and applies reflection to modifications of future practice. (aligns to NSTA 10b)	In post-observation conferences as well as in other formats, the ST does not appear to use reflection on his/her instruction in a useful way. This observer has not seen examples of how the ST has made changes to teaching practice based on reflections that have been shared with the observer.	The ST makes a habit of reflecting on the effectiveness of his/her teaching, and has discussed or exhibited, in concrete ways, how s/he made changes to future instruction (e.g. by changing an approach, better planning, working on public speaking skills, reassessing class readiness, or building on a successful strategy).	The ST clearly sees reflection as a critical tool and is able to use it constructively. The ST has also exhibited grace and resilience in "recovering" from one or more poor teaching experiences, and has shown the ability to gain wisdom as the result of errors in judgment, or reactions to school-based events.

Evaluated Item	Developing (0-1)	Acceptable (2-3)	Target (4-5)
5b. Has used feedback from students, supervisors, colleagues and peers toward improvement of teaching. <i>(aligns to NSTA 10c)</i>	The ST has not learned to respond well to critical feedback, and may either respond negatively or defensively to criticism, or respond by a loss of self-confidence instead of using the feedback as a positive contribution to his or her growth as a teacher.	The ST exhibits sufficient maturity and self-confidence to be able to respond positively and productively to feedback from peers, college faculty, and experienced teachers. The ST has conscientiously made efforts to improve performance based on feedback.	In addition, the ST is able to "sort" feedback for its value and application to his or her teaching, and does not lose confidence or focus after a setback or poor review.
5c. Has exhibited professional attitude and demeanor with colleagues and students.	The ST does not consistently demonstrate awareness, understanding, or some of the attributes of professionalism; this may be exhibited by habits such as coming to class late, missing class without going through proper notification procedures, exhibiting inappropriate informality with students, or not following through on expectations with students or supervisors. The ST's words and behaviors indicate a lack of comprehension about how professional actions and decisions affect others.	The ST exhibits professional behaviors in manners of dress and deportment, timeliness, and accountability. Over time, the ST has learned to grow into the "role" of a teacher, with a respect for the boundaries and responsibilities the role entails. The cooperating teacher is comfortable with allowing the ST to take complete charge of the class and make professional decisions as appropriate. The ST's words and behaviors indicate comprehension of how professional actions and decisions affect others.	The ST fully exhibits attributes of professionalism, and has consistently behaved and comported him or herself in a professional manner with students and colleagues. The ST's words and behaviors indicate an intention to use professional actions and decisions to positively affect others.
5d. Has exhibited resourcefulness and self-initiative in solving problems, as well as timeliness in completing professional responsibilities such as returning student work.	The ST has not exhibited either the self-confidence or a sense of responsibility to solve problems within his or her domain of allowed responsibilities (e.g. find resources, adjust instruction, work with a difficult student). The ST may be overly reliant on the cooperating teacher to solve problems that occur on a daily basis. The ST has not been consistently reliable in giving student written feedback or following up on commitments made to students.	The ST can be held accountable for meeting professional responsibilities in his or her student teaching role, including problem solving, locating resources, compensating for errors, and completing assigned tasks on time (correcting student work, other responsibilities). At the same time, the ST understands when to seek help and when a problem or circumstance calls for consultation with the classroom teacher or	The ST clearly goes the extra mile to find not only solutions to problems, but also to locate additional resources or offer assistance to students or teachers.

Evaluated Item	Developing (0-1)	Acceptable (2-3)	Target (4-5)
<p>5e. Has exhibited ability and desire to collaborate with families, colleagues and the community to develop partnerships that can maximize student opportunities for learning and emotional growth and well-being. <i>(aligns to NSTA 10d)</i></p>	<p>The ST has not exhibited noticeable efforts or interest in collaborating with parents or colleagues as a means toward enhancing student learning or well-being.</p>	<p>other professional.</p> <p>The ST's behavior conveys his or her appreciation of the collaborative role of teaching. Within the limitations of the student teaching experience, the ST seeks to build relationships with families, colleagues, and community resources in order to increase learning opportunities for students.</p>	<p>The ST may have created learning activities or lessons that invite parental participation, or made efforts to get to know parents of students in her or her classroom. The ST may have taken the initiative to make or use community contacts to extend learning opportunities to students, or volunteered for a school-based activity (and followed through on the commitment).</p>
<p>5f. Has exhibited attributes of ethical behavior, trustworthiness, responsibility, and respect for confidentiality in his/her relationships with students and colleagues.</p>	<p>On one or more occasions, the ST has exhibited behavior that calls into question his or her knowledge or internalization of professional ethics. The ST has not sufficiently demonstrated that this mistake was a result of inexperience, and will not likely be repeated.</p>	<p>The ST knows the ethics and dispositions expected of teachers, and can be counted on to act in a responsible and trustworthy manner in all situations. In particular, the ST understands the responsibilities and legal requirements related to teacher-student and teacher-parent confidentiality.</p>	<p>In addition, the ST may have acted admirably and appropriately in a difficult situation, and made appropriate professional and ethical decisions with grace and discretion.</p>
<p>5g. Has treated all students fairly and with respect, and consistently strives to help all students achieve to their fullest capacity.</p>	<p>The ST has not, based on observation, made any real efforts to treat students equitably and respectfully. The ST may ignore students who do not participate in discussion, or allow some students to monopolize his or her attention. The ST may not consistently make wise or fair choices in terms of the assignment of resources or study groups. The ST may not consider or accommodate for equity issues (e.g. resources available in the home) in homework or project assignments. The ST may create a perception of valuing some students over others.</p>	<p>The ST takes seriously what is meant and required in order to treat all students with fairness, as well as his or her responsibility to help all students maximize their learning potential. The ST checks him or herself for behaviors or biases that may lead to extra attention being given to one group or type of student over another.</p>	<p>In addition, the ST demonstrates through his or her actions in the classroom and interactions with parents (if observed) a sense of value, respect and enjoyment of each student. It is clear that the ST has put some effort into finding ways to reach and acknowledge students who may be disengaged or have emotional or behavioral disorders. The ST is alert to signs that any student may need additional resources or a different class placement in order to achieve to his/her fullest capacity, and is able to document and communicate those</p>

Evaluated Item	Developing (0-1)	Acceptable (2-3)	Target (4-5)
<p>5h. As appropriate to his/her student teaching role, has exhibited awareness of the learning and emotional needs of all students within his/her classroom, and advocated for additional resources or intervention for individual students.</p>	<p>The ST has not exhibited awareness of or taken extra steps to respond to the learning or emotional needs of individual students. The ST may not have made appropriate efforts to plan accommodations for students with IEPs or physical disabilities. The ST may choose to ignore student behavior or signs that should be brought to the attention of the cooperating teacher, or may not seek appropriate advice when he/she has been unsuccessful in teaching a child.</p>	<p>The ST is knowledgeable about and aware of the range of student learning needs in his or her classroom, and consistently plans for the range of learning needs and makes accommodations for specific students as needed. The ST is also alert to signs that a child may have learning, behavioral or emotional disorders (or gifts) that may have recently developed or gone unnoticed, and takes the appropriate initiative in such circumstances.</p>	<p>concerns appropriately.</p> <p>The ST exhibits a desire and ability to get to know the "whole child" and to respond to each child in ways that communicate appreciation for the child and elicit responses from the child's "best self." The ST has put effort into finding enrichment or learning resources for students in order to help them develop their potential.</p>
<p>5i. Has demonstrated awareness and appreciation of the cultural diversity represented within his/her classroom and takes advantage of opportunities to explore the artistic, intellectual and/or historical contributions of various cultures.</p>	<p>The ST has not appeared to take notice of the cultural diversity in his/her classroom, or used the presence of diversity as a learning or teaching opportunity. The ST may not communicate an appreciation of classroom or school diversity, or may ignore or show discomfort with students who do not represent the cultural "norm" of the classroom (e.g. non-English speakers, gay or lesbian students).</p>	<p>The ST is knowledgeable of the range of cultural and language diversity within his/her classroom, and uses that diversity as a resource and opportunity for the enrichment of learning. The ST works successfully and honestly to overcome any biases or tendency to "overlook" students whose backgrounds or language are unfamiliar.</p>	<p>The ST has done research into the culture or heritage of students, particularly those who may feel "marginalized" by language barriers. The ST regularly seeks to enrich instruction by demonstrating the contributions of world cultures to the arts and sciences.</p>
<p>5j. Has used instructional and management strategies that support democratic values within the classroom, including tolerance for a variety of opinions, and encouragement of student-centered decision making and problem solving.</p>	<p>The ST does not take advantage of opportunities to "teach democratic values," and may have demonstrated some discomfort or inability to help students explore a range of opinions on a topic. In lessons delivered by the ST, students have had few or no opportunities for making decisions or solving problems as a group, exchanging in spirited debate, etc. Instruction has been primarily teacher-centered.</p>	<p>The ST uses instructional or management strategies that enforce democratic values, individual freedom of thought, and collective decision-making. The ST is tolerant of and encourages tolerance of a variety of opinions, but knows ways to respond productively and non-judgmentally to student opinions that reflect intolerance or bias.</p>	<p>The ST consistently finds ways to use instruction as a teaching tool for democratic values and the development of students as responsible citizens in a multicultural society. The ST develops lessons and activities that engage students in working to improve or solve problems in their community, and engage students in debate and discussion of multiple viewpoints.</p>

Evaluated Item	Developing (0-1)	Acceptable (2-3)	Target (4-5)
<p>5k. Has demonstrated commitment to and propensity for being a lifelong learner; consistently seeks out research, resources, and advice from colleagues to support his/her teaching.</p>	<p>The ST has demonstrated no obvious desire to extend his or her learning -- of either pedagogy or the subject area of his or her teaching. It has not been demonstrated that the ST has availed him/herself of research, resources, or advice in order to enrich instruction.</p>	<p>The ST has demonstrated an ability and desire to look for new ways to expand his or her knowledge and professional growth; s/he is open and eager to seeking advice and modeling behaviors and techniques observed in the teaching practices of peers, faculty, and experienced classroom teachers.</p>	<p>In addition, the ST has demonstrated eagerness and ambition in terms of the desire to expand her knowledge and learning both on a day to day basis, and in terms of professional career growth.</p>
<p>5l. Has demonstrated a genuine enjoyment of the teaching profession and of the academic discipline being taught.</p>	<p>The ST has not developed or demonstrated a sense that he or she enjoys his or her teaching role. The ST may have communicated "second thoughts" to the College Supervisor about either his or her propensity to be a good teacher, or about the choice of the age level or discipline.</p>	<p>It is clear that the ST enjoys working with and teaching children, looks forward to having his/her own classroom, and in spite of self-doubts that are normal at this stage, is comfortable with his or her career choice. The ST also enjoys and has a propensity for the academic disciplines he or she will teach.</p>	<p>The ST demonstrates a true passion for teaching, and eagerly looks forward to each new day of student teaching and beginning his or her career. The choice of teaching focus chosen by the teacher is clearly suited to the teacher's interests and talents.</p>