

Nebraska Department of Education Rule 24 Report

EARTH & SPACE SCIENCE

(Content Area)

Educator Preparation Content Program Review

Name of institution **Chadron State College**

Date Submitted **December 1st, 2025**

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Folio type: ☐ Regular ☒ Mini ☐ Advanced Program

Program(s) Covered by this Folio

Endorsement(s)	Type	Grade Level	Program Level
	Subject	PK-12	Baccalaureate
	Field	6-12	Post-Baccalaureate
	Supplemental	7-12	Master's
List Endorsements	Low-Enrollment	Etc.	Etc.

Earth & Space Science

Subject

7-12

Baccalaureate/ Post Bac

Is the endorsement offered at more than one site? ☐ Yes ☒ No

If yes, list additional sites where endorsement is offered:

Institution Accreditation Status: ☒ National ☒ State

Is this a Nationally Accredited Program? ☐ Yes ☒ No

If Yes, list Accrediting Organization:

Attach National Letter to
Cover Sheet

Introduction/Welcome

Thank you for taking the time to review our program. Please refer to the [catalog](#) for any additional information that you might need.

If you have problems with the links or navigation through this site, contact Katie Rust 308-432-6337, Stef VanVleet 308-432-6383, or Adam Fette 308-432-6469 during working hours. After working hours (remember we are on Mountain Standard Time), contact us via email which we will check regularly in the evening hours.

Section 1: Contextual Information

1a. Contextual Information

Chadron State College

Chadron State College (CSC) was originally authorized by the State of Nebraska as a Normal School in 1911. It has evolved into a comprehensive college with a wide range of undergraduate and graduate programs. Chadron State is accredited by the Higher Learning Commission, as well as subject-oriented accrediting agencies. From its modest beginning, Chadron State College has evolved into a rapidly growing multipurpose institution of higher education. Located in the scenic Pine Ridge region of northwest Nebraska, the college serves the intellectual, cultural, and recreational needs of western Nebraska.

Chadron State College's academic organizational structure consists of three schools, each under the leadership of an academic dean. The three schools are: (1) Business, Mathematics and Sciences; (2) Liberal Arts; and (3) Professional Studies and Applied Sciences (PSAS).

Education is housed within the school of Professional Studies and Applied Sciences. The dean of PSAS and department chair provide the leadership for the Education Department. Throughout this document, the education unit is referred to as the Educator Preparation Program (EPP). The EPP includes both the education program and specialized content area programs that prepare educators.

Educator Preparation Program

At the initial level, the Educator Preparation Program (EPP) supports twelve field endorsements, eight subject endorsements, and five supplemental endorsement programs. At the advanced level, the EPP supports five endorsements. The EPP works cooperatively with the content disciplines, assuring that the teacher candidates have the knowledge, skills, and dispositions necessary for professional teaching. The Education Department assures that all State and accreditation requirements are met and regularly shares data and ideas for the improvement of the overall education programs through the EPP committee. The EPP is led by the education program's department chair and composed of faculty from the education program, teacher educator representatives from the varying disciplines across campus, ESU #13 staff, and area P-12 professionals. The disciplines represented include Business, Mathematics, Family and Consumer Sciences, Science, Social Studies, Health-Physical Education, English/Language Arts, Music, Art, Theatre, and School Counseling. Special Education and Elementary Education are included in the education program. In addition to the EPP committee, the Graduate Council and Academic Review Committees, both a part of the Faculty Senate Committee structure, provide a

platform for sharing information about the educator preparation programs with the greater college community.

Mission Statement

The Education Department at Chadron State College prepares professional educators with the knowledge, adaptability, and lifelong learning skills necessary to place students at the center of learning. Our graduates foster academic and social growth, uphold high standards for all students, and contribute meaningfully to education and society.

Vision

To cultivate a generation of educators who are skilled, reflective, open-minded, and committed to empowering every student to reach their full potential and inspire lasting, positive change in schools and communities.

Section 1 Institutional and EPP Contextual Factors

Endorsement Program

The Earth & Space Science (7–12) endorsement at Chadron State College is designed to prepare teacher candidates with a strong foundation in the natural sciences and specialized expertise in earth and space sciences. Candidates complete a combination of coursework in geology, meteorology, astronomy, environmental science, chemistry, biology, and physics, alongside professional education requirements.

The program emphasizes both disciplinary depth and integrative STEM approaches, incorporating hands-on fieldwork, lab investigations, and applied teaching experiences. Candidates benefit from unique CSC resources, including the Lois Veath Planetarium, Eleanor Barbour Cook Geoscience Museum, and access to local geological field sites across the Pine Ridge and Black Hills regions. Graduates are prepared to teach secondary-level courses in Earth & Space Science, Environmental Science, Astronomy, and related disciplines, meeting all Nebraska Rule 24 requirements for certification.

1b. Standards for Admission, Retention, Transition and Completion

The initial Educator Preparation Program has three major gateways: (1) Admission into the Teacher Education Program; (2) Acceptance into Student Teaching; and (3) Program Completion. Admission into the program generally takes place during or at the end of the sophomore year. Candidates are not allowed into student teaching until they meet the requirements set by the EPP. There are retention measures in place to ensure candidates are proceeding successfully through the education program.

Table 004.06-2 Requirements for Program Admission and Progression

Institutional Criteria	Gateway #1	Gateway #2	Gateway #3
	Admission into the Teacher Education Program	Admission into Student Teaching	Program Completion
Grade Point Average (GPA)	2.75 overall GPA – all college coursework, including transfer credits	2.75 overall GPA – all college coursework, including transfer credits	2.75 overall GPA – all college coursework, including transfer credits
Coursework Completion	30 hours of coursework, including Intro to Teaching, Educational Psychology, Intro to Exceptional Learner, and Technology Resources for Learning, with a C or better.	Earn 90 semester hours with 12 hours in residence at Chadron State College, with a C or better in all Education coursework, including EDUC 300 Observation and Participation and Professional Year courses	Passing grade with a C or better for EDUC 490 Student Teaching and EDUC 495 Education Capstone Passing score on Teacher Work Sample
Praxis Exams			Take the Praxis II content exam
Clinical Practice/Field Experiences	Take EDUC 300 Observation and Participation class	100 observation hours are required prior to student teaching.	16-20 weeks student teaching internship Passing scores on Nebraska Clinical Practice Student Teacher Rubric
Recommendations	Five faculty recommendations, including one from the advisor, one from outside of the Department of Education, and three within the candidate's endorsement area.		
Self-Disclosure	Demonstration of social, emotional, personal maturity and physical capabilities	Demonstration of social, emotional, personal maturity and physical capabilities	

Other	Successful background check	Successful background check	Application for graduation; application for certification

The [Chadron State College website](#) provides the candidates with the required courses for their program of study and the four-year course rotation where students can plan their entire course of study. Advising sheet found in Appendix A.

The Earth & Space Science (7–12) endorsement at Chadron State College provides teacher candidates with a strong foundation in the natural sciences, combined with specialized coursework in geology, astronomy, meteorology, and environmental science. The program emphasizes content mastery, inquiry-based pedagogy, and applied learning experiences through fieldwork, laboratories, and integration of CSC's unique resources such as the Lois Veath Planetarium and the Eleanor Barbour Cook Geoscience Museum.

Candidates complete a balance of professional education requirements and disciplinary coursework in earth sciences, chemistry, physics, and biology to ensure both breadth and depth of preparation. The program is aligned with Interstate Teacher Assessment and Support Consortium (InTASC) standards, CAEP expectations, and Nebraska Rule 24 requirements for science endorsements.

A detailed advising sheet outlining the four-year course sequence, including all content and professional education requirements, is provided in **Appendix A**. This advising sheet demonstrates how candidates progress through foundational science coursework, upper-level geoscience classes, and the professional sequence leading to student teaching.

1c. Field Experiences Required

The program requires 100 practicum clock hours prior to student teaching; one course, EDUC 131 Intro to Teaching at the freshman level and one course, EDUC 300 Observation and Participation at the junior level. Each field experience is used by course instructors to monitor candidates' performance and progress, provides formative information about the candidate, helps the candidate develop the knowledge, skills, and dispositions expected of a teacher, and assists the candidate's understanding of the learner, the classroom environment, application of knowledge, instructional strategies, and professional responsibility. Data is not reported for developmental assessments. Cooperating teacher evaluations are maintained by the EPP to document field experiences.

Student teaching represents the culmination of practical experiences in the teacher education program at Chadron State College. Student teaching is a semester long clinical practice experience for initial teacher certification in which candidates demonstrate knowledge, skills, and professional dispositions by assuming responsibility for whole class instruction in their endorsement and within the grade level for which they are preparing.

Table 005. 03 Field Experience for Initial Certification

*P-Practicum, CP-Clinical Practice, I-Internship

Endorsement Program	Course Name	Credits	Type of Field Experience*	Total Number of Hours
All Education programs	EDUC 131 Intro to Teaching	3 credits	P	25
All Education programs	EDUC 300 Observation & Participation	1-3 credits	P	100
All Education programs	EDUC 490 Student Teaching	9 credits	CP	640
Special Education K-12	SPED 216 Pre-Referral Clinical Experience	1 credit	P	20
Special Education K-12	SPED 317 Microteaching in Early Childhood / Elementary / Middle School / Secondary Special Education	2 credits	P	30
Early Childhood Inclusive B-3	FCS 338 Prenatal and Infant Practicum	3 credits	P	30
Early Childhood Inclusive B-3	FCS 448/448L Early Childhood Practicum	4 credits	P	126

1d. Number and Level of Completers

Program Completers and Level – Content Area:					Earth and Space Science 7-12					
Academic Year					Number of Endorsement Program Completers					
					Bac	Post Bac	Alternate Route	Masters	Ed. Specialist	PhD
20	23	to	20	24	0	0	0	0	0	0
20	24	to	20	25	0	0	0	0	0	0

Section 2 Endorsement Program Key Assessments and Related Data**Artifact 1. Table of Endorsement Program Key Assessments****Required Assessments**

The faculty within the Educator Preparation Program (EPP) created program outcomes, based on the InTASC standards and learning progressions, developed by the Council of Chief State School Officers. The key assessments for the initial program align with these program outcomes.

Table of Endorsement Program Key Assessments

Name of Assessment used for the following areas:		Type or Form of Assessment	Brief Description of Assessment, including indicated information obtained from Assessment	When Assessment is Administered
1	Content-Praxis II or GPA	Standardized Assessment	Praxis II is a standardized assessment given by ETS.	Praxis II is taken the semester prior to or during student teaching
	Praxis II			
2	Content - Knowledge	Evaluation	The Nebraska Clinical Practice Assessment was created by the Nebraska Department of Education. It is filled out by the supervisor and cooperating teacher. InTASC Standards 4 and 5 address content knowledge and application of content	During Student Teaching
	NE Clinical Practice Evaluation			
3	Learner/Learning Environments	Evaluation	The Nebraska Clinical Practice Assessment was created by the Nebraska Department of Education. It is filled out by the supervisor and cooperating teacher. InTASC Standards 1, 2, and 3 address learner and learning.	During Student Teaching
	NE Clinical Practice Evaluation			
4	Instructional Practices - Knowledge	Evaluation	The Nebraska Clinical Practice Assessment was created by the Nebraska Department of Education. It is filled out by the supervisor and cooperating teacher. InTASC Standards	During Student Teaching
	NE Clinical Practice Evaluation			

			6, 7, and 8 address instructional practices.	
5	Instructional Practices - Effectiveness	Evaluation	The Nebraska Clinical Practice Assessment was created by the Nebraska Department of Education. It is filled out by the supervisor and cooperating teacher. InTASC Standard 6 addresses instructional practices.	During Student Teaching
	NE Clinical Practice Evaluation			
6	Professional Responsibility	Evaluation	The Nebraska Clinical Practice Assessment was created by the Nebraska Department of Education. It is filled out by the supervisor and cooperating teacher. InTASC Standards 9 and 10 address professional responsibility.	During Student Teaching
	NE Clinical Practice Evaluation			
7	Overall Proficiency	Survey	NDE created survey covers overall proficiency as rated by completer and employer	After 1st and 3rd years of employment
	Follow up Survey			
8	Optional Assessment	Case Study	The Teacher Work Sample is an additional measure that covers overall proficiency of candidates through the completion of a case study addressing all InTASC Standards.	During Student Teaching
	Teacher Work Sample (TWS)			

Praxis II and GPA

Praxis II is the Education Testing Service ([ETS](#)) test for content knowledge. Furthermore, the candidates cannot graduate without a grade point average of 2.75 or better, on a 4.00-point scale.

Nebraska Clinical Practice Evaluation (NCPE)

The NCPE was developed by the [Nebraska Department of Education](#) in cooperation with the Nebraska Association of Colleges of Teacher Education (NACTE). The NCPE mirrors the InTASC standards, as well as the CAEP standards.

NDE Follow up Survey

The NDE survey is conducted annually to provide Nebraska institutions with information about the effectiveness of first-year and third-year teachers and covers overall proficiency as rated by completers and employers.

Teacher Work Sample (TWS)

The Teacher Work Sample is a case study activity that illustrates the candidate's ability to apply knowledge and skills relative to content and pedagogy. Candidates analyze data to make decisions and adjust instruction to meet learner needs. See Appendix B.

Artifact 2 Data Tables

Earth and Space Science 7-12 is a mini-portfolio and will have no data tables attached.

Artifact 3. Narrative interpretation/summary of assessment data.

From the institution's perspective, historical assessment data for the Earth & Space Science (7–12) endorsement program reflect strong candidate performance across both content knowledge and professional practice benchmarks. Although there have been no program completers in the past several years, the Educator Preparation Program (EPP) continues to monitor assessment systems, advising records, and course-level outcomes to ensure the program remains current and aligned with state and national standards.

Praxis II / Nebraska Content Test

Historical data indicates that program completers have consistently met or exceeded the state's minimum required score on the Praxis II Earth & Space Science exam. Candidates traditionally performed the strongest in geology and astronomy, reflecting the program's emphasis on field- and lab-based instruction. Occasional variability was noted in meteorology and environmental systems, which informed the recent revision of program learning objectives and course updates to strengthen these areas.

GPA and Academic Performance

Historical completer data show that candidates maintained cumulative GPAs above the 2.75 threshold, often significantly higher. Institutional advising audits demonstrated timely progression through the program, with few instances of remediation or course repetition. This trend underscores the academic rigor of the program and the effectiveness of faculty advising structures.

Teacher Work Sample (TWS)

Analysis of past Teacher Work Samples indicates that candidates effectively used data-driven instructional planning and demonstrated reflective practice consistent with CAEP and InTASC standards. These findings continue to guide how faculty scaffold research-based instructional design across upper-level courses and student teaching.

Overall Proficiency

Aggregated historical data suggest that the program produced candidates well-prepared in both disciplinary content and pedagogy. Feedback from cooperating teachers and principals during prior review cycles affirmed that CSC Earth & Space Science graduates were classroom-ready and adaptable to diverse learners. The integration of place-based pedagogy, through field experiences, local geology, museum collections, and planetarium-based instruction, was identified as a distinctive strength of the program.

Institutional Reflection

The learning objectives and updated curriculum were aligned with CAEP and InTASC standards. Through this the instruction was strengthened in meteorology and environmental systems. Although there are no current completers to report, faculty continue to use historical data, advising trends, and course-level assessments to guide continuous improvement. These updates position the endorsement to better serve future candidates and maintain alignment with Nebraska Rule 24 and state licensure expectations.

Section 3: Use of Related Data and Information for Continuous Program Improvement of Endorsement Program

Since the last review cycle, the Earth & Space Science (7–12) endorsement program at Chadron State College has undergone a series of intentional improvements informed by assessment data, faculty reflection, and stakeholder feedback. These changes were guided by our commitment to align program outcomes with state and national standards, ensure candidate success on licensure exams, and prepare graduates for the evolving needs of Nebraska schools.

Changes Made Based on Data Analysis**Revision of Program Learning Objectives**

Historically, Praxis II subscores, cooperating teacher evaluations, and faculty course-level assessments indicated that while candidates demonstrated strong performance in geology and astronomy, there was less consistency in meteorology and environmental systems. In response, faculty redesigned the program learning objectives to:

- Strengthen alignment with InTASC and CAEP standards.
- Integrate explicit goals related to systems thinking across Earth, atmospheric, and environmental sciences.
- Embed objectives highlighting technology use, inquiry-driven pedagogy, and culturally relevant, place-based instruction.

The revised objectives provide clearer benchmarks for candidate development and ensure content breadth across all subfields of Earth & Space Science.

Curriculum Alignment and Course Refinement

As part of this revision, several courses were updated:

- GEOS 334 (Meteorology) was adjusted to emphasize severe weather preparedness and climate systems.
- GEOS 137 (Environmental Geology) incorporated new modules on sustainability and human-environment interactions.

These curriculum refinements were informed by data trends and faculty discussions at program assessment meetings.

Future Program Improvements

Looking ahead, the program plans to:

- Expand integration of technology and data analysis tools into upper-level courses.
- Strengthen connections with regional schools to provide candidates with diverse practicum placements, including rural and high-need districts.
- Continue monitoring Praxis sub scores and NCPE feedback to refine course content and clinical support.

Implications for Unit-Level Improvement

At the unit level, these changes reinforce the importance of continuous data-driven review. The process of revising learning objectives serves as a model for other endorsement areas, demonstrating how faculty can align local data with national standards to improve candidate outcomes. The program's integration of place-based and inquiry-driven approaches also supports the broader mission of the Educator Preparation Program to foster adaptable, reflective, and effective teachers for Nebraska's schools.

Appendix A Advising Template

B.S. Education (Grades 7-12)

4-YEAR ADVISING TEMPLATE

Endorsement: Earth & Space Science Subject

	FALL		SPRING		SUMMER		
	COURSES	Cr. Hr.	COURSES	Cr. Hr.	COURSES	Cr. Hr.	TERM
YEAR 1	GEOS 231 (SLO-6)	3	GEOS 234	3			
	GEOS 231L	1	GEOS 234L	1			
	BIOL 136	2	CHEM 140	3			
	BIOL 136L	1	CHEM 140L	1			
	EDUC 131	3	MATH 138 (SLO-4)	3			
	FYI (SLO-1)	6	EDUC 224	3			
			ESSENTIAL STUDIES	3			
	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	17	TOTAL CREDIT HOURS		
YEAR 2	FALL		SPRING		SUMMER		
	COURSES	Cr. Hr.	COURSES	Cr. Hr.	COURSES	Cr. Hr.	TERM
	PHYS 151	3	GEOS 431	3			
	PHYS 151 L	1	GEOS 334	3			
	GEOS 137	3	PSYCH 231	3			
	SPED 230	3	GEOS 310	1			
	GEOS 233	2	ESSENTIAL STUDIES	3			
	GEOS 233L	1	ESSENTIAL STUDIES	3			
	ESSENTIAL STUDIES	3					
YEAR 3	FALL		SPRING		SUMMER		
	COURSES	Cr. Hr.	COURSES	Cr. Hr.	COURSES	Cr. Hr.	TERM
	GEOS 320	1	GEOS 410	1			
	GEOS 434	3	GEOS ELECTIVE	3			
	GEOS 401	1	EDUC 300	3			
	SPED 334	3	GEOS 437 (SLO-9)	3			
	EDUC 329	2	ESSENTIAL STUDIES	3			
	ESSENTIAL STUDIES	3	BIOL ELECTIVE	1-3			
	ESSENTIAL STUDIES	3					
YEAR 4	FALL		SPRING		CHEM 131/131L & 132/132L may be substituted for CHEM 140/140L		
	COURSES	Cr. Hr.	COURSES	Cr. Hr.			
	EDUC 411S	1	EDUC 490	9			
	EDUC 412S	1	EDUC 495	3			
	EDUC 414S	1					
	EDUC 415S	1					
	EDUC 418S	1					
	SPED 412S	1					
	EDUC 431G	3					
YEAR 4	CAP (SLO-12)	3					
	TOTAL CREDIT HOURS	12	TOTAL CREDIT HOURS	12			

Appendix B TWS Rubric

Chadron State College Teacher Work Sample Scoring Definitions

4. Advanced: {A 140-131} – The teacher candidate obtaining this designation has demonstrated consistent, professional, and performance skills beyond the basic essentials in the chosen academic area and has demonstrated the ability to apply the performance skills with several aspects integrated so that the whole of the TWS has a coherent structure and meaning. The teacher candidate can plan, assess, instruct, analyze data, and reflect upon the appropriate P-12 students' performances at a level that enables P-12 students' growth in a solid, conceptual understanding of the chosen academic area. *This denotes the presence of the advanced skills necessary to teach and assess students in the academic area.*

3. Proficient: {B 130-118} – The teacher candidate obtaining this designation has demonstrated the basic essential set of professional and performance skills needed to teach and assess students in the chosen academic area. The basic concepts of the subject matter, teaching in the academic area, and assessing student performance are understood as one problem, idea, or concept following another, but are not interrelated as a whole system of understanding. The teacher candidate can plan, assess, instruct, analyze data, and reflect upon the appropriate P-12 students' performances to help P-12 students' growth of procedural and conceptual understanding in the chosen academic area at an expanding level. *This denotes the presence of essential skills necessary to teach and assess students in the academic area.*

2. Progressing: {C 117-105} – The teacher candidate obtaining this designation has demonstrated the presence of beginning professional and academic performance skills needed to teach and assess students. Aspects of a problem, idea, or concept are seen in rote application with nominal relationship of facts and ideas to each other. The teacher candidate can assess student learning and can develop learning experiences somewhat based on students' developmental levels and prior experience. The candidate shows minimal analysis or reflection upon appropriate P-12 students' performances such that P-12 students' understanding in the academic area will be more rote learning with less conceptual understanding. *This denotes the presence of the bare essential skills necessary to teach and assess students in the academic area.*

1. Unacceptable: {D Below 105} – The teacher candidate obtaining this designation does not perform at a level that exhibits preparedness for teaching, but does demonstrate some basic understanding of professional and academic performance skills needed to teach and assess students. The teacher candidate cannot accurately assess student learning or develop learning experiences based on students' developmental levels or prior experience. The candidate shows little, if any, analysis or reflection upon appropriate P-12 students' performances such that P-12 students' understanding in the academic area may be negatively impacted. *Any rating earned at or below the Unacceptable level in the teacher candidate's TWS will be deemed unacceptable for a teacher candidate preparing for Nebraska teacher certification.*

0. Missing: {F} – The teacher candidate obtaining this designation does not perform at a level that exhibits preparedness for teaching, nor does the candidate demonstrate any basic understanding of professional and academic performance skills needed to teach and assess students. The teacher candidate cannot accurately assess student learning or develop learning experiences based on students' developmental levels or prior experience. The candidate shows no ability to analyze or reflect upon appropriate P-12 students' performances such that P-12 students' understanding in the academic area may be negatively impacted. *Any rating earned at or below the Unacceptable level in the teacher candidate's TWS will be deemed unacceptable for a teacher candidate preparing for Nebraska teacher certification.*

(2) Semester Date _____

(3) Rater _____

Teacher Work Sample Rubric

Follow your TWS Instruction Sheet to ensure your project contains all of the components needed.

Possible Score	4 – Advanced	3 – Proficient	2 – Progressing	1- Unacceptable	0 – Missing	Score
Professional Presentation						
(4) Title Page	Title page is complete	Title page is missing one component	Title page is missing two components	Title page is missing three or more components	Title page is missing	
(5) Table of Contents	Table of Contents is complete and organized	Table of Contents is missing one component	Table of Contents is missing two components	Table of Contents is missing more three or more components	Table of Contents is missing	
(6) Writing Conventions	Writing is grammatically correct, complete, easy to understand and represents professional writing	Writing is grammatically correct, complete, easy to understand, but contains a few errors	Writing contains several errors, or may not be complete or easy to understand	Writing contains significant errors, is not complete or easy to understand	Writing contains numerous errors, and unable to comprehend	
(7) Organization	Organization of presentation aligns with TWS Instruction Sheet	Organization of presentation has a few deviations from the TWS Instruction Sheet	Organization of presentation has several deviations from the TWS Instruction Sheet	Organization of presentation does not align with the TWS Instruction Sheet	Organization of presentation is absent.	
(8) Comments on Professional Presentation	<i>(Comments optional; you will be prompted to enter any provided comments into the Microsoft Form.)</i>					
Contextual Factors and Instructional Setting						

(9) Community, District, and School	Descriptions of contextual factors are clear and complete	Descriptions of contextual factors are unclear and missing one component	Descriptions of contextual factors are unclear and missing two-three components	Descriptions of contextual factors are very unclear and missing more than three components	Descriptions of contextual factors is missing	
(10) Classroom Factors	Descriptions of classroom factors are clear and complete	Descriptions of classroom factors are unclear and missing one component	Descriptions of classroom factors are unclear and missing two-three components	Descriptions of classroom factors are very unclear and missing more than three components	Descriptions of classroom factors are missing	
(11) Rationale	Rationale for the concept or subject is very clear and complete	Rationale for the concept or subject is mostly clear and complete	Rationale for the concept or subject is unclear and/or incomplete	Rationale for the concept or subject is unclear and incomplete	Rationale for the concept or subject is missing	
(12) Class Characteristics	Description of class characteristics is clear and complete	Description of class characteristics is unclear and missing one component	Description of class characteristics is very unclear and missing two-three components	Description of class characteristics of the class is unacceptable and missing three or more components	Characteristics of the class are missing	
(13) Instructional Implications	Explanation of the instructional implications is very clear and complete	Explanation of the instructional implications is mostly clear and complete	Explanation of the instructional implications is unclear and/or incomplete	Explanation of the instructional implications is unclear and incomplete	Explanation of the instructional implications is missing	
(14) Comments on Contextual Factors and Instructional Setting	<i>(Comments optional; you will be prompted to enter any provided comments into the Microsoft Form.)</i>					
Initial Instructional Plan						
(15) Objectives	Objectives exceed expectation of pre-service teachers	Objectives state what the students will learn	Objectives partially state what students will learn	Objectives do not specify what the students will learn	Objectives are missing	

(16) Standards	Each objective is explicitly tied to standards	Some objectives are explicitly tied to standards	Few objectives are inadequately tied to standards	Objectives are not tied to standards	Standards are missing	
(17) Instructional Plans	Instructional plans are complete and contain four or more examples of differentiated instructional methods or levels of learning (at least three consecutive lessons)	Instructional plans are complete and contain three examples of differentiated instructional methods or levels of learning (at least three consecutive lessons)	Instructional plans are complete and contain two examples of differentiated instructional methods or levels of learning (at least three consecutive lessons)	Instructional plans contain one example of differentiated instruction or levels of learning (at least three consecutive lessons)	Instructional plans are missing	
(18) Formative Assessments	Multiple and varied formative assessments are included and align with the objectives/instructional plan	Multiple or varied formative assessments are included and align with objectives/instructional plan	A formative assessment is included and somewhat aligns with objectives/instructional plan	Formative assessments are included but do not align with objectives/instructional plan	No formative assessments are included in the instructional plan	
(19) Comments on Initial Instructional Plan	<i>(Comments optional; you will be prompted to enter any provided comments into the Microsoft Form.)</i>					
Assessment Plan (Section 1)						
(20) Objective Alignment	Pre-assessment and post-assessment are aligned with all objectives	Pre-assessment and post-assessment are aligned with most objectives	Pre-assessment and post-assessment are aligned with few objectives	Pre-assessment and post-assessment are not aligned with the objectives	Pre-assessment and post-assessment are missing	
(21) Assessment Characteristics	Pre-assessment and post-assessment have all of the following: 1. have face validity 2. appear to be reliable 3. are appropriate to level 4. are based on instructional plans	Pre-assessment and post-assessment have four of the following: 1. have face validity 2. appear to be reliable 3. are appropriate to level 4. are based on instructional plans	Pre-assessment and post-assessment have three of the following: 1. have face validity 2. appear to be reliable 3. are appropriate to level 4. are based on instructional plans	Pre-assessment and post-assessment have two or fewer of the following: 1. have face validity 2. appear to be reliable 3. are appropriate to level 4. are based on instructional plans	Pre-assessment and post-assessment are missing	

	5. student directions and scoring procedures are clearly explained	5. student directions and scoring procedures are clearly explained	5. student directions and scoring procedures are clearly explained	5. student directions and scoring procedures are clearly explained		
(22) Instrument s and Student Samples	Examples of a high-score <u>and</u> a low-score confidential student pre-assessment and post-assessment are included (4 in all)	Examples of a high-score <u>and/or</u> a low-score confidential student pre-assessment and/or post-assessment are included (Only 3 included)	Examples of a high-score <u>and/or</u> a low-score confidential student pre-assessment and/or post-assessment are included (Only 2 included)	Only one example of a high- or low-score confidential student pre-assessment or post-assessment is included (Only 1 included)	No examples of confidential student assessment included.	
(23) Clarity of Criterion and Standards for performance	The assessment contains clear criteria for measuring student performance and are linked to the learning goals.	Assessment criteria have been developed, but they are not clear but are linked to learning goals.	Assessment criteria have been developed, but are not clear and are not linked to learning goals.	Assessment criteria have not been developed and are not clear and are not linked to learning goals.	Assessment crit is missing.	
(24) Comments on Assessment Plan (Section 1)	<i>(Comments optional; you will be prompted to enter any provided comments into the Microsoft Form.</i>					
Assessment Plan (Section 2)						
(25) Data Display	Pre-assessment data is clearly and completely displayed in a labeled graph or chart	Pre-assessment data is clearly and completely displayed but not in a graph or chart	Pre-assessment data is displayed in a graph or chart but is unclear	Pre-assessment data is not displayed in a graph or chart and is unclear	Pre-assessment data is missing	
(26) Data Analysis	Pre-assessment data is clearly and completely described and analyzed	Pre-assessment data is clearly and completely described but inadequately analyzed	Pre-assessment data is inadequately described and analyzed	Pre-assessment data is not described or analyzed	Pre-assessment data is missing	
(27) Revision	Need for revisions of initial	Need for revisions of initial	Need for revisions of initial	Need for revisions of initial	Need for revision initial instructional plans is missing	

Description	instructional plans is clearly and completely described	instructional plans is unclear or incomplete	instructional plans is unclear and incomplete	instructional plans is not acknowledged		
(28) Comments on Assessment Plan (Section 2)	<i>(Comments optional; you will be prompted to enter any provided comments into the Microsoft Form.)</i>					
Revised Instruction Plans						
(29) Revisions Included	Revisions reflect student needs based on pre-assessment data	Revisions reflect some of the student needs based on pre-assessment data	Revisions reflect few of the student needs based on pre-assessment data	Revisions do not reflect student needs based on pre-assessment data	No revisions were made to the instructional plan	
(30) Objectives	Objectives exceed expectation of pre-service teachers	Objectives state what the students will learn	Objectives partially state what students will learn	Objectives do not specify what the students will learn	Objectives are missing	
(31) Standards	Each objective is explicitly tied to standards	Some objectives are explicitly tied to standards	Few objectives are tied to standards	Objectives are not tied to standards	Standards are missing	
(32) Instructional Plans	Instructional plans are complete and contain four or more examples of differentiated instructional methods or levels of learning (at least three consecutive lessons)	Instructional plans are complete and contain three examples of differentiated instructional methods or levels of learning (at least three consecutive lessons)	Instructional plans are complete and contain two examples of differentiated instructional methods or levels of learning (at least three consecutive lessons)	Instructional plans contain one example of differentiated instruction or levels of learning (at least three consecutive lessons)	Revised instructional plans that are missing	
(33) Formative Assessments	Multiple and varied formative assessments are included and align with the objectives/instructional plan	Multiple or varied formative assessments are included in the instructional plan and align with objectives/instructional plan	A formative assessment is included and somewhat aligns with objectives/instructional plan	No formative assessments are included in the instructional plan	No formative assessments are included in the instructional plan	

(34) Comments on Revised Instruction Plans	<i>(Comments optional; you will be prompted to enter any provided comments into the Microsoft Form.)</i>					
Assessment Plan (Section 3)						
(35) Post Assessment Data	Post-assessment data is clearly and completely described and analyzed	Post-assessment data is clearly and completely described but inadequately analyzed	Post-assessment data is inadequately described and analyzed	Post-assessment data is not described or analyzed	Post-assessment data is missing	
(36) Data Comparison: Individual Growth	Comparison of pre-assessment and post-assessment data showing individual growth is clearly and completely displayed in a labeled graph or chart	Comparison of pre-assessment and post-assessment data showing individual growth is displayed but not in a graph or chart	Comparison of pre-assessment and post-assessment data showing individual growth is displayed in a graph or chart but is unclear	Comparison of pre-assessment and post-assessment data showing individual growth is not displayed in a graph or chart and is unclear	Comparison of pre-assessment and post-assessment data showing individual growth is missing	
(37) Data Comparison: Class Growth	Comparison of pre-assessment and post-assessment data showing class growth is clearly and completely displayed in a labeled graph or chart	Comparison of pre-assessment and post-assessment data showing class growth is displayed but not in a graph or chart	Comparison of pre-assessment and post-assessment data showing class growth is displayed in a graph or chart but is unclear	Comparison of pre-assessment and post-assessment data showing class growth is not displayed in a graph or chart and is unclear	Comparison of pre-assessment and post-assessment data showing class growth is missing	
(38) Impact on Student Learning	Description of impact upon student learning is clearly and completely stated	Description of impact upon student learning is stated and is mostly clear or complete	Description of impact upon student learning is stated but is unclear and/or incomplete	Description of impact upon student learning is stated and is unclear and incomplete	Description of impact upon student learning is missing	
(39) Impact of Instruction	Impact of instruction on student growth is clearly and completely analyzed	Analysis of impact of instruction on student growth is unclear or incomplete	Analysis of impact of instruction on student growth is unclear and incomplete	Impact of instruction on student growth is inadequately stated	Impact of instruction on student growth is missing	

(40) Comments on Assessment Plan (Section 3)	<i>(Comments optional; you will be prompted to enter any provided comments into the Microsoft Form.)</i>					
Instruction Decision Making, Reflection, and Self Evaluation						
(41) Decision Making	Contains four examples of instructional decision making based on pre-assessment data and on student's learning during lessons.	Contains three examples of instructional decision making based on pre-assessment data and on student's learning during lessons.	Contains two examples of instructional decision making based on pre-assessment data and on student's learning during lessons.	Contains fewer than two examples of instructional decision making based on pre-assessment data and on student's learning during lessons.	Examples of instructional decision making based on pre-assessment data and student's learning are missing.	
(42) Strategies // Activities	Description of two effective instructional strategies/activities is clear	Description of two effective instructional strategies/activities is unclear	Description of one effective instructional strategies/activities is clear	Description of one effective instructional strategies/activities is unclear	No description of effective instructional strategies/activities is included	
(43) Formative Assessment s	Describes multiple varied formative assessments used to monitor student progress	Describes multiple formative assessments used to monitor student progress	Describes a varied formative assessment used to monitor student progress	Describes a formative assessment used to monitor student progress	Formative assessments are not described	
(44) Barriers	Description of two barriers to student learning is clear	Description of two barriers to student learning is unclear	Description of one barrier to student learning is clear	Description of one barrier to student learning is unclear	Description of barriers is not included.	

(45) Reflection	The reflection and self-evaluation contains analysis of all the following: 1. Engaged time 2. Student interest and motivation 3. Student mastery of learning objectives 4. Revisions of instructional strategies/activities 5. Student feedback 6. Future considerations based on self-evaluation 7. Future considerations based on cooperating teacher and/or students	The reflection and self-evaluation contains analysis of five or six of the following: 1. Engaged time 2. Student interest and motivation 3. Student mastery of objectives 4. Revisions of instructional strategies/activities 5. Student feedback 6. Future considerations based on self-evaluation 7. Future considerations based on cooperating teacher and/or students	The reflection and self-evaluation contains analysis of three or four of the following: 1. Engaged time 2. Student interest and motivation 3. Student mastery of objectives 4. Revisions of instructional strategies/activities 5. Student feedback 6. Future considerations based on self-evaluation 7. Future considerations based on cooperating teacher and/or students	The reflection and self-evaluation contains analysis of two or fewer of the following: 1. Engaged time 2. Student interest and motivation 3. Student mastery of objectives 4. Revisions of instructional strategies/activities 5. Student feedback 6. Future considerations based on self-evaluation 7. Future considerations based on cooperating teacher and/or students	The reflection and self-evaluation are missing
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