

CWU Student Learning Outcome Assessment Plan Matrix

Department: Science Education

Program: General Science Teaching/Broad Area Science

Student Learning Outcomes (performance, knowledge, attitudes)	Related Program Goals	Related Departmental Goals	Related College Goals	Related University Goals	Method(s) of Assessment (What is the assessment?)	Who Assessed (Students from what courses – population)	When Assessed (term, dates)	Standard of Mastery/ Criterion of Achievement (How good does performance have to be?)
1. Demonstrate an ability to individually and collaboratively engage in inquiry and integrate the nature of science.	SCED Program Goal (PG) 1	SCED Departmental Goal (DG) 1, 3, 4	COTS Goal 1, 2, 6	CWU Goal 1, 2, 6	<ul style="list-style-type: none"> Science Program major/minor teaching portfolio, WEST-E content assessment, entry to and exit from program survey SCED 324, 325, 401 course portfolios SCED 324, 325 practicum field observation WA Teacher Performance Assessment 	<ul style="list-style-type: none"> All General Science Teaching majors, Broad Area Science minors, and Science endorsement students 	<ul style="list-style-type: none"> End of major/minor program, prior to student teaching SCED 324, 325, 401 Student teaching 	<ul style="list-style-type: none"> Minimum requirement is proficiency for this outcome. Student must provide suitable evidence and reflect on performance relative to associated NSES, NSTA, and WA Comp standards. SCED 324, 325, 401 portfolio performance benchmark proficiency All standards met for WA Teacher Performance Assessment
2. Explain and apply fundamental science content concepts, principles, and methods.	SCED PG 1	SCED DG 1, 3, 5	COTS Goal 1, 2, 6	CWU Goal 1, 2, 6	<ul style="list-style-type: none"> Science Program major/minor teaching portfolio, WEST-E content assessment, entry to and exit from program survey SCED 324, 325, 401 course portfolios SCED 324, 325 practicum field observation WA Teacher 	<ul style="list-style-type: none"> All General Science Teaching majors, Broad Area Science minors, and Science endorsement students 	<ul style="list-style-type: none"> End of major/minor program, prior to student teaching SCED 324, 325, 401 Student teaching 	<ul style="list-style-type: none"> Minimum requirement is proficiency for this outcome. Student must provide suitable evidence and reflect on performance relative to associated NSES, NSTA, and WA Comp standards. SCED 324, 325, 401 portfolio performance benchmark proficiency All standards met for WA Teacher Performance

					Performance Assessment			Assessment
3. Demonstrate an ability to effectively facilitate learning for all students.	SCED PG 2	SCED DG 2, 3, 4	COTS Goal 1, 2, 6	CWU Goal 1, 2, 6	<ul style="list-style-type: none"> Science Program major/minor teaching portfolio, entry to and exit from program survey SCED 324, 325 course portfolios SCED 324, 325 practicum field observation WA Teacher Performance Assessment 	<ul style="list-style-type: none"> All General Science Teaching majors, Broad Area Science minors, and Science endorsement students 	<ul style="list-style-type: none"> End of major/minor program, prior to student teaching SCED 324, 325 Student teaching 	<ul style="list-style-type: none"> Minimum requirement is proficiency for this outcome. Student must provide suitable evidence and reflect on performance relative to associated NSES, NSTA, and WA Comp standards. SCED 324, 325 portfolio performance benchmark proficiency All standards met for WA Teacher Performance Assessment
4. Create safe, effective learning environments that support inquiry, collaboration, intellectual risk-taking, ethical decision-making, and student construction of knowledge.	SCED PG 2	SCED DG 1, 2, 3, 4	COTS Goal 1, 2, 6, 7	CWU Goal 1, 2, 6	<ul style="list-style-type: none"> Science Program major/minor teaching portfolio, WEST-E content assessment, entry to and exit from program survey SCED 324, 325, 401 course portfolios SCED 324, 325 practicum field observation WA Teacher Performance Assessment 	<ul style="list-style-type: none"> All General Science Teaching majors, Broad Area Science minors, and Science endorsement students 	<ul style="list-style-type: none"> End of major/minor program, prior to student teaching SCED 324, 325, 401 Student teaching 	<ul style="list-style-type: none"> Minimum requirement is proficiency for this outcome. Student must provide suitable evidence and reflect on performance relative to associated NSES, NSTA, and WA Comp standards. SCED 324, 325, 401 portfolio performance benchmark proficiency All standards met for WA Teacher Performance Assessment
5. Demonstrate an ability to assess teaching and	SCED PG 2	SCED DG 2, 3, 4, 7, 8	COTS Goal 1, 2, 6	CWU Goal 1, 2, 6	<ul style="list-style-type: none"> Science Program major/minor teaching portfolio, entry to and exit from program 	<ul style="list-style-type: none"> All General Science Teaching majors, 	<ul style="list-style-type: none"> End of major/minor program, prior to 	<ul style="list-style-type: none"> Minimum requirement is proficiency for this outcome. Student must provide suitable evidence

learning outcomes using multiple methods, effectively evaluate teaching and learning effectiveness, and improve practice based on reflection and data.					<p>survey</p> <ul style="list-style-type: none"> • SCED 324, 325 course portfolios • SCED 324, 325 practicum field observation • WA Teacher Performance Assessment 	Broad Area Science minors, and Science endorsement students	<p>student teaching</p> <ul style="list-style-type: none"> • SCED 324, 325 • Student teaching 	<p>and reflect on performance relative to associated NSES, NSTA, and WA Comp standards.</p> <ul style="list-style-type: none"> • SCED 324, 325 portfolio performance benchmark proficiency • All standards met for WA Teacher Performance Assessment
6. Demonstrate an ability to make science personally and socially relevant to individual and community by incorporating current events within collaborative and social networks.	SCED PG 2	SCED DG 1, 2, 4	COTS Goal 1, 2, 5, 6	CWU Goal 1, 2, 4, 6	<ul style="list-style-type: none"> • Science Program major/minor teaching portfolio, entry to and exit from program survey • SCED 324, 325, 401 course portfolios • SCED 324, 325 practicum field observation • WA Teacher Performance Assessment 	<ul style="list-style-type: none"> • All General Science Teaching majors, Broad Area Science minors, and Science endorsement students 	<ul style="list-style-type: none"> • End of major/minor program, prior to student teaching • SCED 324, 325, 401 • Student teaching 	<ul style="list-style-type: none"> • Minimum requirement is proficiency for this outcome. Student must provide suitable evidence and reflect on performance relative to associated NSES, NSTA, and WA Comp standards. • SCED 324, 325, 401 portfolio performance benchmark proficiency • All standards met for WA Teacher Performance Assessment
7. Participate in a variety of activities that enhance professional development and improve teaching effectiveness.	SCED PG 3	SCED DG 2, 7, 8	COTS Goal 1, 2, 6	CWU Goal 1, 2, 6	<ul style="list-style-type: none"> • Science Program major/minor teaching portfolio, entry to and exit from program survey • SCED 324, 325, 487 course portfolio • SCED 324, 325 	<ul style="list-style-type: none"> • All General Science Teaching majors, Broad Area Science minors, and Science endorsement 	<ul style="list-style-type: none"> • End of major/minor program, prior to student teaching • SCED 324, 325, 487 	<ul style="list-style-type: none"> • Minimum requirement is proficiency for this outcome. Student must provide suitable evidence and reflect on performance relative to associated NSES, NSTA, and WA Comp standards. • SCED 324, 325, 487

					practicum field observation	students		portfolio performance benchmark proficiency
8. Demonstrate open-mindedness and curiosity that leads to continuous improvement as a scientist and a teacher.	SCED PG 3	SCED DG 3, 4	COTS Goal 1, 2, 6	CWU Goal 1, 2, 6	<ul style="list-style-type: none"> • Science Program major/minor teaching portfolio, entry to and exit from program survey • SCED 324, 325, 401 course portfolio • SCED 324, 325 practicum field observation 	<ul style="list-style-type: none"> • All General Science Teaching majors, Broad Area Science minors, and Science endorsement students 	<ul style="list-style-type: none"> • End of major/minor program, prior to student teaching • SCED 324, 325, 401 	<ul style="list-style-type: none"> • Minimum requirement is proficiency for this outcome. Student must provide suitable evidence and reflect on performance relative to associated NSES, NSTA, and WA Comp standards. • SCED 324, 325, 401 portfolio performance benchmark proficiency