

SC2460 NGSS Chemistry in the Earth System II

<b>Course Basics</b>			
<b>Course Code:</b>	<b>Grade Level:</b>	<b>Credit Value:</b>	<b>NCAA Approved:</b>
SC2460	10	.5 LAB credit	YES
<b>CEDARS Code:</b>	<b>Course Length:</b>	<b>Course Time:</b>	<b>FWPS Standards (link)</b>
03049	18 Academic Weeks	56 Minutes per day OR 4 hours 40 minutes each week	<a href="#">NGSS Chem in Earth</a>
<b>Prerequisites:</b> NGSS Biology and successful completion of 10 <sup>th</sup> Grade NGSS Chemistry in the Earth System 1			
<p><b>Required Materials:</b> Internet access, computer, printer, printer paper and ink, modern OS/software/web browser, headphones with microphone (<i>if not built into computer</i>), digital camera/phone (for pictures)</p> <p>Lab Materials: Due to Covid, all labs have been made accessible without the purchase of materials. However, if students prefer a hands-on approach, and are able, the following lab materials can be purchased</p> <p>4.3.4 WET lab materials:</p> <ul style="list-style-type: none"> <li>• 50 M&amp;M's (or other two sided candy or object: pennies,puzzle pieces,etc.)</li> <li>• 50 of the same small objects (pebbles, dry beans, peppercorns, etc)</li> <li>• Resealable bag</li> <li>• Stopwatch or clock that displays seconds</li> </ul>			
<p><b>Course Description:</b> This course is based upon the Next Generation Science Standards (NGSS) adopted by Washington State and is the first course of a two-semester length course.</p> <p>This course is the second of a 2-semester course that will provide an integrated study of both chemistry and earth science fundamentals including: (1) the factors that influence reaction rate and equilibrium, (2) how Earth's surface has changed over time through the processes of thermal convection, the hydrologic cycle, and the rock cycle, (3) how Earth's systems and life arose and how these systems and life interact through feedback systems, and (4) how humans can develop sustainable solutions for specific problems/issues. The course will present and assess concepts through a variety of mediums including readings, videos, simulations, activities/labs, discussions, projects, quizzes, and tests. <b>This course is a LAB based credit.</b></p>			

<b>Instructor Information</b>	
<b>Name:</b> Stephanie McDonnell	<b>Email:</b> smcdonne@fwps.org
<b>Remind App Code:</b> Found on Welcome Page	<b>Virtual Sessions:</b> daily by appointment or as posted on Welcome page

<b>Expected Learning Outcomes</b>	
<b>In this course, students will</b>	Use inquiry skills to explore chemistry and earth science concepts.
<b>Standards Alignment</b>	See Course Learning Plan Contract (LPC)
<b>Assessment Methods</b>	<u>Possible Formative Assessments:</u>

	Self-Checks Discussions Labs/Activities Projects <u>Possible Summative Assessments:</u> Unit Exam Summative Lab, Activity, or Project Semester Exam
<b>Grading Methods</b>	All summative assessments will be graded according to the corresponding rubric or teacher directions. Only summative assessment scores will calculate towards a student's final grade. Each summative assessment is linked to a FWPS Priority Standard (PS).
<b>Credit Recovery Grading Policy</b>	<ul style="list-style-type: none"> <li>• Work can be excused based on evidence that shows standards have been met in the previous class</li> <li>• Pre-assessments</li> <li>• Must pass all assessments with a minimum of 70%</li> <li>• The ONLY passing grade that can be earned is a C</li> </ul>
<b>Grading Scale</b>	<p><b>9-12</b></p> <p>A = 90%-100%</p> <p>B = 89%-80%</p> <p>C = 79%-70%</p> <p>P = 60%-69%</p> <p>F = 59%-0%</p> <p><b>CR</b></p> <p>C= 70%-100%</p> <p>F= 0%-69%</p> <p><b>6-8</b></p> <p>Excelling (EX)= 90%-100%</p> <p>Meeting (ME)= 70%-89%</p> <p>Approaching (AP)= 60%-69%</p> <p>Beginning (BE)= 0%-59%</p>

<b>Student Expectations</b>	
<b>Weekly Work Completion</b>	Students will submit original work in all classes each week.
<b>Original Work Submissions</b>	Students will only submit their original work. If a student uses outside sources in the creation of their original work, citations must be present in the format requested by their teacher.
<b>Weekly Communication</b>	Students will communicate weekly with their teachers regarding their academic progress.
<b>Functioning Technology/ Required Materials</b>	Students will always have constant and consistent access the functioning hardware, software, technology, and required materials necessary to complete their coursework in all classes.

## iA Policies Required for Enrollment

### Academic Integrity

Academic integrity is essential to learning. Students are expected to complete their own work. Copying, plagiarizing, cheating or other methods of intentional deception are prohibited and could result in the student's removal from the class or iA entirely.

*iA Policy-*

*1st Offense:* The student will be contacted by the teacher via phone call, the student will be made aware of the plagiarism and examples of how this can be avoided will be discussed and shared. Direct instruction on plagiarism will be delivered by the teacher. iA Administration and other teachers will be made aware of the plagiarism.

*2nd Offense:* The student and parents will be contacted by the teacher directly and the student will have to complete the plagiarized assignment without plagiarism before moving on in the course. iA Administration will be made aware.

*3rd Offense-* The student will be withdrawn from the course or iA depending on the severity of the plagiarism and the frequency that it is happening in other courses.

### WAC (Weekly Academic Contact)

State regulations require students in online programs to have weekly academic contact with each teacher. This occurs by engaging with the curriculum and online instruction, submitting assignments to make progress in learning, and successfully completing courses. Students have multiple opportunities and methods to achieve weekly academic contact and receive teacher assistance and feedback: email, message, live online sessions, assignments, phone, and/or face-to-face meetings by appointment when applicable and in accordance with social distancing guidelines.

*WAC Policy-* If a student consistently fails to meet WAC requirements after 20 consecutive days they will be withdrawn and their neighborhood school will be notified to enroll them there.

*To re-enroll with IA you must have a meeting with an administrator.*

*Above is the policy through December 31st, 2020.*

Beginning in January 2021, in accordance with new state law the iA Weekly Academic Contact policies are changing. To ensure the success of all iA students, Weekly Academic Contact is required to remain enrolled at iA.

1st week missed WAC= Notification of missed WAC that informs students and parents of the consequences of additional missed WAC. (Step 1)

2nd consecutive or 3rd cumulative week of missed WAC= The student and parent must conference with a designee to discuss the missed contact, administer a "screener", and develop a data-based interventions plan. (Step 2)

5th consecutive OR 6 cumulative of missed WAC= BECCA petition will be filed. (Step 3)

### MAP (Monthly Academic Progress)

State law also requires enrolled students to maintain monthly forward progress toward completing classes with success. Students are expected to complete one monthly module of at-standard work or have completed the teacher-prescribed plan as assigned by the certificated teacher of that course. If the assigned at-standard work is submitted, the student will be considered on pace (OP). If the assigned work is not submitted and/or is not at standard, the student will be considered behind pace (BP).

An overall Monthly Academic Progress (MAP) score will be emailed to every student and family once a month by the iA Connect teacher to communicate overall progress towards mastery and passing of the courses; law requires BP students to reply with confirmation of the MAP report and iA teachers to document that reply. If students don't immediately reply, teachers are obligated to keep trying for a reply through additional emails or phone calls. Replies must be from the student; parent replies are not sufficient.

Students are either On Pace (OP) or Behind Pace (BP). If a student is considered OP (by the individual teachers in individual courses) in 50% or more of their courses, they will be considered OP overall. If a student is considered behind pace (by the individual teachers in individual courses) in more than 50% of their courses they will be

	<p>considered BP overall. If a student is determined to be BP for consecutive months, the iA Connect teacher will send escalating intervention plans each month by email.</p> <p>BP1 means one month behind pace; intervention typically is a new work pace plan.</p> <p>BP2 means two months behind pace; intervention is typically a new work pace plan and directed teacher contact.</p> <p>BP3 means three months behind pace; course reduction or withdrawal from iA (see below for greater detail).</p> <p>BP4 means complete withdrawal from iA (see below for greater detail). Students withdrawn from iA at BP4 may not re-enroll until the following school year</p>
<p><b>Email/Software Agreements</b></p>	<p>Students agree to maintain constant and consistent access to the technology and software needed to complete their iA courses. If the student cannot maintain constant and consistent access to needed technology they will be withdrawn from iA.</p>
<p><b>Professional Discretion</b></p>	<p>Teachers reserve the right to make adjustments to the course, content, pacing, and expectations at any time. Students and parents will be notified via email of any changes made after the course has started.</p>