

SC2130 - NGSS BIOLOGY 1.0

| Course Basics | | | |
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| Course Code: | Grade Level: | Credit Value: | NCAA Approved: |
| SC2130 | 9 | 1.0 LAB Credit | YES |
| CEDARS Code: | Course Length: | Course Time: | FWPS Standards (link) |
| 03051 | 18 Academic Weeks | 135 Minutes per day OR 11 hours 15 minutes each week | Grade 9 NGSS Biology |
| Required Materials: 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>Course Description: This is a 1.0 credit biology LAB course. Biology focuses on the mastery of basic biological concepts and models while building scientific inquiry skills and exploring the connections between living things and their environment. The first half of the course begins with an introduction to the nature of science and biology, including the major themes of structure and function, matter and energy flow, systems, and interconnectedness of life. Students then apply those themes to the structure and function of the cell, cellular metabolism, and biogeochemical cycles. The main focus is to present biological information in an understandable and straightforward way that will capture the students' interest and deal with current issues and concepts. The second half of this course is an introduction to general biology and scientific inquiry. It will include the fundamental principles of living organisms, including DNA and heredity, protein synthesis, an in-depth look at ecosystems and natural selection, evolution and classification and human biology. The main focus is to present biological information in an understandable and straightforward way that will capture the students' interest and deal with current issues and concepts</p> | | | |

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

| Expected Learning Outcomes | |
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| In this course, students will | Explore scientific inquiry skills and the connections between living things and the environment. |
| Standards Alignment | See Course Learning Plan Contract (LPC) |
| Assessment Methods | <p><u>Formative Assessments:</u> FA1.1.1 Assignment: All About You FA 1.1.2 Quiz: Navigating Biology FA 1.1.3 Quiz: Understanding your WSLP FA 1.1.4 Quiz: Avoiding Plagiarism FA 3.4.4 : Discuss - Stem Cells</p> |

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| | <p>FA 3.5.2 : Test (CST) - Computer-Scored Unit Test (Apex) FA Unit 3 Summary FA 4.2.5 : Practice: Cellular Respiration FA 4.5.2 : Test (CST) - Computer-Scored Unit Test (Apex) FA Unit 4 Summary FA 5.5.2 : Test (CST) - Computer-Scored Unit Test (Apex) FA Unit 5 Summary FA 7.3.5 : Practice - Punnett Squares FA 7.5.2 : CST - Computer-Scored Unit Test (Apex) FA Unit 7 Summary FA 8.2.5 : Practice - DNA to Protein FA 8.5.2 : CST - Computer-Scored Unit Test (Apex) FA Unit 8 Summary FA 9.1.3 : Practice - Ecosystems FA 9.5.2 : CST - Computer-Scored Unit Test (Apex) FA Unit 9 Summary FA 10.1.5 : Journal - Theories and Laws FA 10.5.2 : CST - Computer-Scored Unit Test (Apex) FA Unit 10 Summary FA 11.5.2 : CST - Computer-Scored Unit Test (Apex)</p> <p><u>Summative Assessments:</u> SA 3.5.3 : Test (TST) - Teacher-Scored Unit Test SA 4.4.3 : Lab - A Twist on Fermentation SA 5.5.3 : Test (TST) - Teacher-Scored Unit Test SA 7.5.3 : TST - Teacher-Scored Unit Test SA 8.4.3 : Lab - Radical Radishes SA 8.5.3 : TST - Teacher-Scored Unit Test SA 9.5.3 : TST - Teacher-Scored Unit Test SA 10.5.3 : TST - Teacher-Scored Unit Test SA 11.5.3 : TST - Teacher-Scored Unit Test SA 12.1.3 : Final Project</p> <p>(Bolded assignments are required for credit as a lab based class)</p> |
| Grading Methods | <p>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).</p> |
| Credit Recovery Grading Policy | <ul style="list-style-type: none"> ● Work can be excused based on evidence that shows standards have been met in the previous class ● Pre-assessments ● Must pass all assessments with a minimum of 70% ● The ONLY passing grade that can be earned is a C |
| Grading Scale | <p>9-12 A = 90%-100% B = 89%-80% C = 79%-70% P = 60%-69% F = 59%-0%</p> <p>CR C= 70%-100%</p> |

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| | <p>F= 0%-69%</p> <p>6-8</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> |
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| Student Expectations | |
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| Weekly Work Completion | Students will submit original work in all classes each week. |
| Original Work Submissions | 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. |
| Weekly Communication | Students will communicate weekly with their teachers regarding their academic progress. |
| Functioning Technology/ Required Materials | 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 | |
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| Academic Integrity | <p>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.</p> <p>IA Policy-</p> <p><u>1st Offense:</u> 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. Direct instruction on plagiarism will be delivered by the teacher. iA Administration and other teachers will be made aware of the plagiarism. The work must be redone without plagiarism.</p> <p><u>2nd Offense:</u> 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.</p> <p><u>3rd Offense:</u> The student will be withdrawn from the course or iA depending on the severity and/or frequency of the plagiarism.</p> |
| 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. |

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| | <p><i>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.</i></p> <p>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.</p> <p>1st week missed WAC= Notification of missed WAC that informs students and parents of the consequences of additional missed WAC. (Step 1)</p> <p>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)</p> <p>5th consecutive OR 6 cumulative of missed WAC= BECCA petition will be filed. (Step 3)</p> |
| <p>MAP (Monthly Academic Progress)</p> | <p>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).</p> <p>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.</p> <p>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 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>Email/Software Agreements</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>Professional Discretion</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> |