

| Similarities | Gaps | Strategies |
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| Curriculum is well aligned | <p>College Expectations: No re-takes No make-up labs No extra-credit No attendance requirements in lecture (can miss two labs)</p> <p>High School Expectations: Can retake any test below 70% Make-up work is required if excused absence Extra-credit available (per teacher) Attendance required (per State)</p> | <p>High School retakes: Shift responsibility to student. For example, in order to retake a test, students must attend structured tutoring or other mandated activities.</p> <p>Reinforce personal responsibility and realistic expectations.</p> |
| | <p>College Grade Calculation: <i>Instructor sets grading policy</i> Grades: A, B, C, D, F, W, I Lab Grade: (UNT) 75% Lecture, 25% Lab BHC: 80% Lecture, 20% Lab Grade breakdown: BHC, approx 60% exams UNT, approx 65% exams Pre-requisites: English Proficiency is required. College Algebra</p> <p>High School Grade Calculation: <i>District sets grading policy</i> Grades: A, B, C, F. Grade breakdown: Homework/class-work: 40% Tests/quizzes: 25% Project: 20% 6 week exams: 15% Pre-requisites: Biology</p> | <p>Successful completion of Algebra I is essential for enrollment in High School Chemistry.</p> <p>Align High School grading policies to be closer to college grading policies. For example, bring test/exam percentage to 50% of overall grade.</p> |

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| | <p>Pre-AP Placement: Placement in High School Pre-AP Chemistry is dependent on 8th Grade Science TAKS and 9th Grade Biology scores.</p> | <p>Place students in High School Pre-AP Chemistry based on performance on 9th Grade STAAR Math.</p> |
| <p>Math Preparation: High School and College Chemistry students are under-prepared in Math.</p> | | <p>Flexible, horizontal collaboration between Chemistry and Math faculty:</p> |

align curricula so that students cover topics in Math class before they are required in Chemistry.

Pace of instruction:

High Schools have more time to spend on each topic.

Internet Access:

College students have access to college computers and many have internet access at home or through phone. High school students may not have internet access outside of school.