**Joplin High School**

**SC08-Chemistry 1**

**Science Department**

**Non-weighted**

**1 unit/full year**

**Syllabus and Expectations**

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| **Instructor:** | Mrs. LaHeather Fisher |
| **Classroom Location #:** | 9/10 Campus Modular #M-3 |
| **School Phone:** | 417-625-5230 |
| **Fax:** | 417-625-5238 |
| **Department Phone:** |  |
| **E-mail:** | LAHEATHERFISHER@joplinschools.org |
| **Department Website:** | http://www.joplineagles.org/curriculum/science.htm |
| **Instructor Website:** | https://lfisherscience.weebly.com |

**Course Description:**

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| This course provides the students with the opportunity to study the composition; the structure, and the properties of matter. Furthermore we will study the process that matter undergoes, and the energy changes associated with these processes. The course consists of various educational strategies, including lectures, labs, collaborative learning, and group discussions. Students should expect to devote a significant amount of time outside of class studying and working on lab repoorts. |

**Prerequisites:**

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| Algebra I  Physical Science |

**Major Course Objectives:**

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| The primary objective of this course is to provide a broad understanding of the fundamental principles of the study of chemistry. Students will also leave the course with a strong understanding of these principles and will be prepared to succeed in any college level general chemistry course. This course will also improve a students' ability to communicate, both orally and in writing, and further their ability to draw clear and logical conclusions based on objective reasoning. |

**Course Goals and Topics Covered in the Course:**

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| Topics covered in this course are:  Quarter 1  Introduction to Chemistry  Matter and Change  Scientific Measurement  Atomic Structure  Electrons in Atoms  The Periodic Table  Quarter 2  Ionic and Metallic Bonding  Covalent Bonding  Chemical Names and Formulas  Chemical Quantities  Chemical Reactions  Quarter 3  Stoichiometry  States of Matter  The Behavior of Gases  Water and Aqueous Systems  Solutions  Quarter 4  \*\*The following topics will be covered depending on instructor preference and assessment of time remaining until the end of the school year.\*\*\*  Thermochemistry  Reaction Rates and Equilibrium  Acids, Bases, and Salts  Oxidation-Reduction Reactions  Electrochemistry  Hydrocarbon Compounds  Functional Groups  The Chemistry of Life  Nuclear Chemistry |

**Required Textbook and Recommended Readings:**

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| More to come later |

**Special Resources (Including INTERNET RESOURCES):**

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| http://lfisherscience.weebly.com |

**Supplies and Fees:**

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| n/a |

**Evaluation Of Course (Includes grading percentage, participation)**

**A. Grading Scale**

90 -100% A

80 - 89% B

70 - 79% C

60 - 69% D

0 - 59% F

**B. Grade Distribution per Activity (percentage or points)**

Example:

50% Examinations/Quizzes

20% Homework and Assignments

20% Laboratory Exercises and Activities

10% Semester Final Exams

**C. Class Participation and Expectations:**

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| Students should demonstrate respect for the teacher, fellow students their property and the property of the school. Electronically enhanced communication devices are not to be used in class. Food and drink is at the discretion of the teacher but no food and/or drink will be permitted in the laboratory or during laboratory exercises. Students are encouraged and expected to participate in class through asking questions, discussion, and collaborative/cooperative learning activities such as laboratory exercises. Participation in lab exercises is an integral part of the course curriculum and allows students to apply concepts presented during lectures. |

**D. Special Projects, Writing Activities, and Assessments**

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| Students will be assigned various special projects including a research paper and lab reports. |

**E. Academic Dishonesty Policy**

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| Students are expected to demonstrate honesty and integrity while in attendance at Joplin High School. Each student is expected to do his or her own work. This  includes test-taking, homework, class assignments, and the original creation of  essays, compositions, term papers, and scientific research. Sharing work with  another student during tests, on or in class essays, or assignments, or on home-  work is considered cheating. Having access to answers, (in certain cases) a  calculator, or computer informationconctitutes intent to cheat. All work submitted  by students should be a true reflection of their efforts and abilities. If submitted  work is not, then the student has manifested unacceptable academis behavior. The  following criteria are considered cheating:  - claiming credit for work not the product of one's own honest effort.  - providing unwarranted access to materials or information so that credit may be  dishonestly claimed by others.  - knowledge and toleration of either of the foregoing  Any behavior which can be defined as cheating represents a violation of mutual  trust and respect essential to education at Joplin High School. Students who cheat  should expect to be confronted by their teacher and/or a principal and receive the  following penalties:  - zero on the assignment.  - notification of parents.  - a minimum 3 day assignment to ISD or ASD.  If a student is found to have cheated a second time, the student will be referred to  an assistant principal. Consequences may include drop from the class, loss of  credit and an "F" appearing on their transcript. No replacement course will be  allowed. |

**F. Late Work/Make-up Work**

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| Only those students who have a pass indicating an authorized absence will be able to submit any missed assignments. Unless special arrangements are made, students must submit missing assignments on the day they return to class with an authorized note. If a student is absent they must contact Mrs. Fisher to discuss materials they will miss while out of class, unless they are medically unable to do so. Mrs. Fisher's website will house the digital homework portion and can be checked for missed assignments. |

**G. Tutoring and Extra Help**

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| Tutoring is available through JHS Science department at regularly scheduled times and also with Mrs. Fisher by appointment. Please give ample notice to make one on one tutoring appointments. |

**Calendar Of Events/Tentative Schedule For Units Of Study**

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| See 'course goals and topics covered' above. |