Astronomy – Mr. Hickerson

Course Description: This course will involve major themes of astronomy. It is intended to provide an elective credit for students considering going into space studies or having an interest in this topic.

Alignment to the Iowa Core Curriculum:
Understands and applies knowledge of: planetary motion, solar system, stars and galaxies, constellations, and star/sky gazing.

Standards :

Understands the history and origin of astronomy

Understands stars and constellations

Understands the solar system and the planets in the solar system

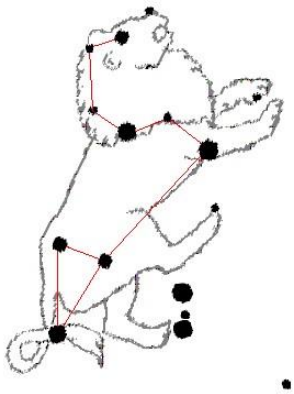
Understands galaxies and exploration of the galaxies

Assessments: Formative – Small group and large group discussion.
Summative – Homework, quizzes and tests.

Content:

Preview – Cosmic Landscape
Chapter 1 – History of Astronomy
Chapter 2 – Gravity & Motion
Chapter 7 (8-9) – Survey of the Solar System
Chapter 12 – Measuring the Properties of Stars
Chapter 13 – Stellar Evolution
Constellation Studies

Subject to change



Instructional Strategies: Large and small group discussions, Lab participation

Text: Explorations: An Introduction for Astronomy Fifth Edition by Arny & Schneider

Academic/Behavioral Expectations:

All assignments will be due on the date assigned when the project is given in class. If the assignment is not completed on time, apart from a verifiable reason, such as illness, the assignment will be worth only 50% of the original value.

If the assignment is not completed within the chapter it is assigned, it will be recorded as a 0 in the gradebook.

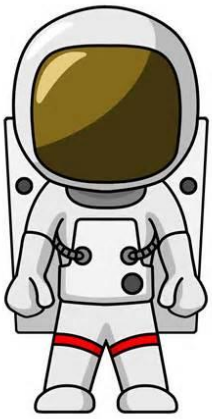
All students are expected to be in the room when the bell rings. Students will serve a 10 minute detention before or after school for the 3rd tardy and all subsequent tardies.

Students are reminded that astronomy is a lab course and they are expected to conduct themselves in an orderly and safe manner. Inappropriate behavior may result in the removal from the lab setting and 0 points.

Grading: Students grades will be based on daily assigned work, projects, and quizzes and tests to accompany each chapter.

Grading Scale

100-93	A
92-90	A-
89-88	B+
87-83	B
82-80	B-
79-78	C+
77-73	C
72-70	C-
69-68	D+
67-63	D
62-60	D-
59-0	F



Extra Credit: Opportunities for extra credit will be offered throughout the course, and can be used to enhance your grade. Extra credit is not a substitute for daily work. In order to qualify for extra credit, students must have all daily work completed and on time for the current chapter in which the extra credit is offered.

Communication Plan:

Phone 563-552-5633

RHickerson@dbqschools.org

Extra Help: If you have any concerns or questions about the course, or any general items, please feel free to talk to me. I will try to make the best accommodations possible to make your learning experience more successful. I am available first period, A lunch, and before school. After school is available upon request.

Special Considerations: Because this course is based on many phenomena that occur in the nighttime sky, small assignments may occur that may require you to observe the nighttime sky. Additional, but not mandatory opportunities may arise where the group can meet at night to make observations as well.