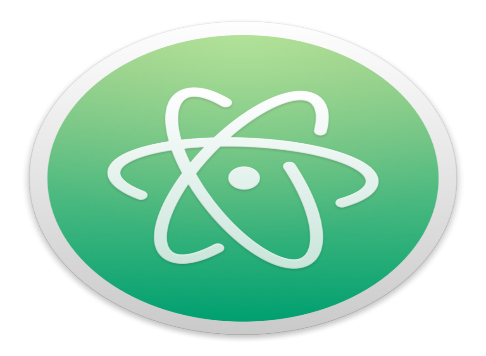
Astronomy



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2023-2024

Mrs. Billman

Email: [dbillman@northfork.k12.oh.us](mailto:dbillman@northfork.k12.oh.us)

Class Description

This class will be a challenging combination of work and activities to dive into the state of standards as well as real world scenarios to gain a better understanding of the world around us and the impact we can have on it.

There is a lot of learning to do this year, so please come to class ready to get work done!

What will the class look like?

Throughout this year, we will use a variety of resources such as worksheets, projects, group work, tests, quizzes, Kahoot, etc.

The midterm and the final are open to being a traditional style exam or a project that encompasses what we have learned.

|  |  |
| --- | --- |
| Course Sequence | |
| First 9 Weeks (August 17-October 18) | Unit 1: Observational Astronomy   * History of Astronomy * Scientists * Light and Telescopes * The Night Sky |
| Second 9 Weeks (October 23-December 14) | Unit 2: Earth, Moon, and Sun   * Earth and Moon’s Movement * Seasonal Patterns * Gravity in Space * Moon Phases * Eclipses * Moon causes Tide   Unit 3: The Solar System   * The Solar System and Earth * Terrestrial Planets * Jovian Planets * Beyond Planets |
| Third 9 Weeks (January 2-March 6) | Unit 4: Stars   * Characteristics of Stars * Life Cycle of Stars * Stars Systems * Low Mass Stars * High Mass Stars |
| Fourth 9 Weeks (March 11-May 22) | Unit 5: Galaxies and the Universe   * Galaxies * Big Bang Theory   Unit 5: Cosmology and Spaceflight   * Cosmology * Rocketry * Human Spaceflight |

Grading Information

|  |  |
| --- | --- |
| A | 90-100 |
| B | 80-89 |
| C | 70-79 |
| D | 60-69 |
| F | 0-59 |

You will receive grades in the following areas:

* Participation
* Class Work
* Tests/Quizzes
* Labs
* Projects

After work is later or missing for more than 1 week, it will become a zero.

Class Expectations

* Come to class with all your materials ready – pencil/pen, paper, charged iPad
* Participate in class
* Take pride in your work and do your best

Make-up and Missed Work

It is your responsibility to make up and missed work not exceeding one day more than the period of absence, i.e. you are absent 2 days – you get 2 days plus an additional day to complete the missed work and get it turned in. You are responsible for asking or emailing me to get your work.