

Northland Preparatory Academy
6th Grade Science Syllabus (2021-2022 school year)
Ms. Kayla Arendt, Room 802
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CLASS OVERVIEW Welcome to 6th grade science! This year we will be learning science by *doing science*. Our class will focus on building, revising, and testing scientific models as we learn about life, physical, and earth and space science. Students will also conduct their own investigations answering questions relating to these topics and construct scientific arguments to support their answers. Throughout the year, we will attempt to design solutions to problems we identify in our community through engineering challenges. We will be using the following science and engineering practices in our investigations

- Asking questions (for science) and defining problems (for engineering)
- Developing and using models
- Planning and carrying out investigations
- Analyzing and interpreting data
- Using mathematics and computational thinking
- Constructing explanations (for science) and designing solutions (for engineering)
- Engaging in argument from evidence
- Obtaining, evaluating, and communicating information

MATERIALS You will need a charged computer, notebook and folder dedicated to science that you bring to class each day. You may rent a computer from school by completing the school Technology Loaner Agreement. We will be using Google Classroom this year. You can log into Google Classroom with your NPA Gmail account.

CLASSROOM EXPECTATIONS *In addition to the school policies outlined in the student handbook, I expect everyone who comes into our class to follow our classroom expectations.*

1. **Be Respectful.** Respect is defined as acting in a way that shows you care for and value someone or something. This includes respecting yourself, others, and personal and school property. By coming to class you commit to contributing to a safe and caring learning environment.
2. **Be safe.** Follow all classroom procedures and safety protocols. These procedures are designed to create and maintain a safe learning environment. A violation of a safety rule will result in immediate removal from class for that day.
3. **Be prepared.** Come to class on time, with all your supplies, ready to learn. Your behavior in and out of class can affect your readiness to learn in class- make good choices.
4. **Participate.** Scientific knowledge is built collaboratively. I expect you to contribute to

your individual and group work following the classroom protocols.

5. **Ask for help if you need it.** You are ultimately responsible for your own learning and behavior. If you don't understand a concept or a direction, it is your responsibility to ask for help. I am here to help and want you to succeed.

CONSEQUENCES Behavior Reflection Forms can be found under Class Resources in Google Classroom

- First offense – Warning
- Second offense – Fill out Behavior Reflection Form and Student/Teacher Conference and possible removal from class
- Third offense – Fill out Behavior Reflection Form, Student/Parent/Teacher Conference and possible removal from class

GRADES Grades will be determined based on total point value using the following scale:

90% to 100% A

80% to 89.9% B

70% to 79.9% C

60% to 69.9% D

Below 60% F

If you are not satisfied with your performance (or grade) on an assignment, you have the opportunity to make improvements by completing the Assignment Reflection Form and requesting a mini-conference with Ms. Arendt. These forms can be found in the "Classwork" tab on the 6th grade science Google Classroom page. A *thoughtful* and *complete* reflection on these forms will allow you to earn back partial credit on an assignment up until one week after the assignment due date. Grades will be updated on Infinite Campus in a timely manner. Parents, you are encouraged to monitor your student's account to help you better understand their progress and support them throughout this year.

Should you have any questions, concerns or need additional help, please contact me at karendt@northlandprep.org.

Thank you, Ms. Kayla Arendt