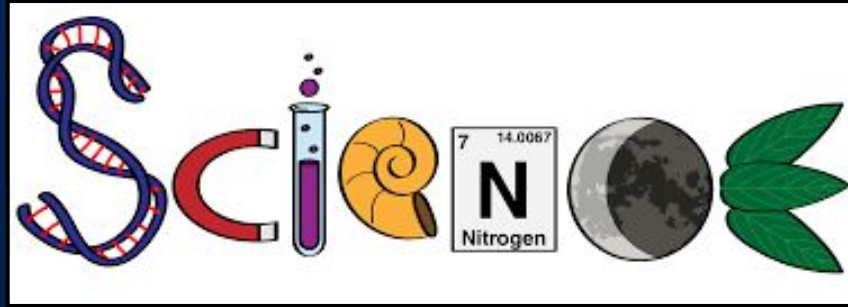


WELCOME to SCIENCE!!!



MR. WARREN ASTLER
"MR. A."

Agenda

- About the teacher
- Syllabus
- General Course information
 - Basic Work/Grading Policy
 - Science Now
 - Attendance
 - Technology
- Class Materials/Resources
- Office Hours
- Accountability Form
- Questions???

About the Teacher

Education

- ❑ BA in Elementary Education (University of Northern Colorado)
- ❑ MA in Curriculum and Pedagogy (University of Colorado at Denver)

Career Background



- ❑ 3rd Grade Teacher
- ❑ Middle School Teacher: Various Schools-Science and STEM Director
- ❑ 2nd year at Ben Franklin Academy

Interests

- ❑ Traveling, movies, family

Syllabus:

(In lab books and on homework website.)

 Ben Franklin Academy 8th Grade Physical Science 2023-2024 Course Syllabus 							
Warren Astler wastler@bfacadem							
<p>Eighth-grade physical science provides an overview of the physical world and allows students tools and concepts to think clearly about motion, forces, energy, heat transfer waves, sound light, magnetism, and electricity. Eighth graders will be required to successfully complete a choice of a culminating project called the "770 Project," between a capstone project, science portfolio, or entry into a STEM competition.</p>							
MAJOR CURRICULAR TOPICS	<table border="1"> <tr> <td style="vertical-align: top;"> TRIMESTER ONE August 16-November 15 </td> <td> <ul style="list-style-type: none"> Electromagnetic Radiation Sound Light </td> </tr> <tr> <td style="vertical-align: top;"> TRIMESTER TWO November 16-February 28 </td> <td> <ul style="list-style-type: none"> Electricity Magnetism Motion Laws of Motion Work, Simple Machines and Power </td> </tr> <tr> <td style="vertical-align: top;"> TRIMESTER THREE February 29-May 24 </td> <td> <ul style="list-style-type: none"> Forces and Fluids Energy Energy Resources Thermal Energy Science Now Presentations </td> </tr> </table>	TRIMESTER ONE August 16-November 15	<ul style="list-style-type: none"> Electromagnetic Radiation Sound Light 	TRIMESTER TWO November 16-February 28	<ul style="list-style-type: none"> Electricity Magnetism Motion Laws of Motion Work, Simple Machines and Power 	TRIMESTER THREE February 29-May 24	<ul style="list-style-type: none"> Forces and Fluids Energy Energy Resources Thermal Energy Science Now Presentations
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<p style="text-align: center;">~PLEASE NOTE~ As science is never segmented into trimesters in real-life, we will always be open to learning how the sciences work together.</p>							
INSTRUCTIONAL ORGANIZATION	<ul style="list-style-type: none"> Individual and small group work time, small group instruction, large group instruction, and individual and group presentations will be used regularly. Labs (virtual and hands-on), STEM challenges relating to content and projects will be emphasized 						
TYPICAL DAILY AGENDA	<ul style="list-style-type: none"> Start-Up Lesson/Activity/Lab Closing 						
LAB EXPECTATIONS	<ul style="list-style-type: none"> Treat each other politely and kindly Treat School Property respectfully Be prepared for class Work from "Bell to Bell" Make a sincere effort in your work and decorum Request help if you need it Solve conflict with care and respect Follow all school rules and policies as stated in the student handbook One student at a time to the restroom. 						
POLICIES and PROCEDURES	<ul style="list-style-type: none"> Be on time for class Be prepared on presentation days (Labbook, Chromebook, Pencil/Supply Bag) Working voice level only...no loud voices No Cell phones in class No Backpacks in Class 						
CONSEQUENCES	<ul style="list-style-type: none"> Initial misbehavior will result in a verbal warning. Failure to correct this misbehavior will result in one of the actions listed below: <ol style="list-style-type: none"> Verbal Warning and Student/Teacher Conference Teacher-directed detention Parent notification via email Referral to the appropriate administrator 						
TECHNOLOGY	<ul style="list-style-type: none"> School computers are for school use ONLY. Playing games and/or using non-approved websites and apps may cause computer privileges to be suspended Follow all rules included in the student handbook. NO PHONES/MOBILE DEVICES: If you are using any mobile device without permission, you will be asked to surrender it until the end of class. 						

ABSENCES	<ul style="list-style-type: none"> For every day absent, students will receive two days to complete and turn in work missed. Quizzes may be taken anytime during or after an absence (provided it fits in the two-day policy)
LATE WORK/EXTRA CREDIT	<ul style="list-style-type: none"> Late work is reduced by 20% each day Work cannot be turned in for credit after 4-days Teachers do not track down students for make-up work No extra credit will be given
GRADING and GRADES	<ul style="list-style-type: none"> 40% Quizzes <ul style="list-style-type: none"> Weekly Cumulative Quizzes 40% Labs/Projects/Presentations <ul style="list-style-type: none"> Various labs, projects, and Presentations 10% Homework <ul style="list-style-type: none"> Any and all work not completed during class 10% A/E: Attitude, Effort, Decorum: <ul style="list-style-type: none"> Participation and behavior (10 points each week) Official grades will be Gradelink, please do not use Google Classroom to check grades.
GRADING SCALE	Standard Grading Scale 100 - 90 % = A 89-80% = B 79-70% = C 69-60% = D 59-50% = F
WORK REQUIREMENTS (The basics)	<ul style="list-style-type: none"> LAB WRITE-UPS: <ul style="list-style-type: none"> Follow format, be neat and organized Some write-ups will be full lab write-ups while others will be partial PROJECTS: <ul style="list-style-type: none"> Individual and group projects Class time will be given, but you may work on these at home STEM CHALLENGES: <ul style="list-style-type: none"> Individual and group Engineering design challenges Follow the engineering design format PRESENTATIONS: <ul style="list-style-type: none"> Sharing your work with the class, not all projects and challenges will be presented QUIZZES: <ul style="list-style-type: none"> Weekly quizzes on Friday (or the last day of the week) Quizzes are cumulative SCIENCE NOW
SCIENCE NOW	<ul style="list-style-type: none"> Eighth graders will be required to successfully complete "Science Now" Students choose one project between a SCIENCE ENOW Video, SCIENCE NOW STEAM Expo Style, SCIENCE NOW STEM Competition, or SCIENCE NOW Your Own Idea All work requirements and instructions can be found on your Google Classroom and/or your science homework website as well as discussed in class
DUE DATES	<ul style="list-style-type: none"> All due dates will: <ul style="list-style-type: none"> Posted in class On class website Verbalized in class Posted in Gradelink A good idea is to keep track of your due date by writing them down
SUGGESTIONS for SUCCESS	<ul style="list-style-type: none"> Be one time for class Be prepared for class <ul style="list-style-type: none"> Bring your charged Chromebook, pencil/supply bag/lab book Take good notes <ul style="list-style-type: none"> Read your assigned reading before, during, and after a unit Stay focused and productive Have fun! Do not let others distract you and do not be a distraction Stay on Task Take care of the lab and the equipment
COMMUNICATION	<ul style="list-style-type: none"> Use your district-issued email account for communicating with teachers <ul style="list-style-type: none"> Well-written emails only: Use a proper format-Example: a greeting, your message, and proper closing Most work can be found and turned in on Google Classroom

General Course Information

- Basic Work
 - Weekly Quizzes (Cumulative) (40%)
 - Labs/Projects/Presentations (40%)
 - Classwork/Homework (10%)
 - AED:Attitude Effort and Decorum (10%)

“Science Now” Project

- Students in eighth grade science are required to complete a project called “Science Now.”
- Four Options:
 - Science Now Video
 - Science Now STEAM Expo Style
 - Science Now: STEM Competition
 - Science Now: Student Idea
- May Work in groups or individually
 - Subject to change if group is not working well together
- Choosing only one of three different project options, students have their 170 total school days to complete and present their work.
- Their job is to read, understand and select from four choices.
- Detail of each project (requirements, due dates, etc) can be found on their Google Classroom and Science Website

Attendance

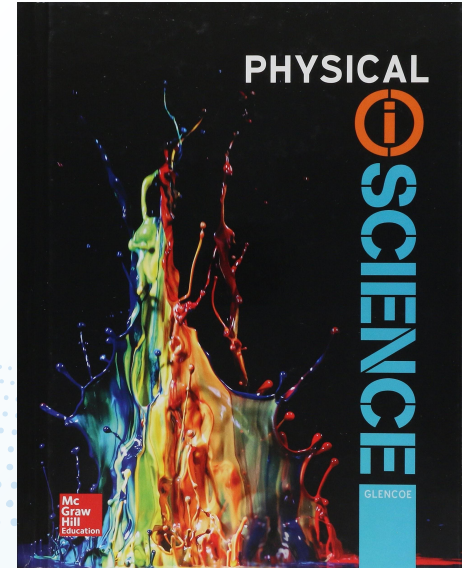
- Late
- Absences
- Leaving early
- Family trips

Technology

- Although technology such as phones, ear buds, and chromebooks are amazing, they can be a HUGE distraction in the classroom. To balance the importance of devices is a critical skill to learn
- Phones
 - Keep in locker
 - If bring to the lab and store in slots
 - If I see them in their pockets, I will hold onto them until the end of class, regardless if they have used them or not and a write-up
 - Ear Things: Pods, etc
 - Only with permission
 - Stored in slots
- Chromebooks
 - Store under lab table when not in use
- Other

Resources

- Text: Physical Science: McGraw Hill
 - All students should have a copy (hopefully at home)
- Lab Book
- Google Classroom
- 8th Grade Website
- Various Websites: Quia, Quizlet,



General Instruction



- Direct Instruction: Large Group
- Small Group Guidance/Instruction
- Individual Instruction
- Students will have the opportunity to work in groups for most labs, projects, and presentations.

Office Hours: Extra Help

**Office Hours: Tuesday and Wednesday
7:30 to 8:00 am (by appointment)
or
Advisory time**

Accountability Form:

Please sign and return.



thank you!

Any questions?

Email: wastler@bfacademy.org