

**Enloe Magnet High School
Honors/ Earth Science
Room 0611 Mr. Patrick Standifer
www.mrstandiferscience.weebly.com**

Vision Statement:

This course will equip students with the knowledge, skills, and understanding of Earth and environmental science. Every student in this class is expected to work and conduct themselves to the best of his/her ability.

Mission Statement:

By the end of the semester, all of the students in Honors/ Earth Science will be proficient with all North Carolina Essential Standards objectives.

Requirements:

1. Each student is required to complete all assignments and projects within the time allowed. These assignments may include tests, quizzes, classwork and projects.
2. Have your materials for class each day. **Materials will not be sold to other students or classmates, students may borrow materials upon permission from the teacher.**
3. All work is to be kept in an individual three-ring notebook. All assignments must be dated and labeled.

Example: *Sheet of Paper*

(Right Corner) Name: Date:
<u>Assignment: Goal 7 Vocabulary Review</u>

4. **Multi-Media:** If possible please obtain or have access to **the internet, USB Flash Drive, Cellular Device (Smartphone)** and **e-mail** for downloading and media transfer purposes.

SUPPLY LIST:

3-Ring Binder (at least 1 inch)

Pencils

Blue/Black Ink Pens

Colored Pencils

Dry Erase Markers

Things that would be nice

Tissue

Clorox Wipes (For Messy Labs)

Gift Cards

(Walmart or Target, for lab materials)

Paper Towels

Any donations would be greatly appreciated!

Classroom Policies:

Classwork

The following are specific expectations for the completion and grading of classwork and assessments in Earth Science:

- Students should exercise time management skills and communicate regularly with their teachers.
- Classwork that is not finished during class will be finished outside of class. These assignments will still be graded as classwork, not homework.
- Late work will be accepted until the end of the second class day after the original due date. After that grace period feedback will be given but no credit will be received.
- All online assignments will adhere to the date it is due. There will be NO late assignments accepted, as it is online and timestamped.
- All work for each unit must be submitted by the deadline of two days before the unit test, so that appropriate feedback can be given to students.
- Classwork and minor assignments will count as 15% of students' quarter grades.

Homework

The Enloe Magnet High School faculty and administration believe that homework is an integral part of the learning process.

- Homework is an extension of class work and affords students the opportunity to practice skills and apply concepts learned in the classroom.
- Students should be prepared for nightly homework in all subjects.
- Students should exercise time management skills and communicate regularly with their teachers.
- If a teacher assigns homework over a break, the teacher must give students time to complete assignments either prior to or following a scheduled holiday break. Students may choose to structure their time accordingly.
- Late homework must be accepted by the teacher throughout the quarter in order to provide the student with feedback.

The following are the specific expectations for the completion and grading of summative homework in Earth Science:

- Late work will be accepted to the end of the second class day after the original due date. After that grace period feedback will be given but no credit will be received.
- Summative homework will not exceed 15% of a student's quarter grade.
- If there is no formal assignment given, students are instructed to study.

The school's Homework Plan can be found in the Enloe Magnet High School Student Handbook.

Missed Work

The following are specific expectations for the completion and grading of missed work in Earth Science:

The following are school-wide expectations for missed work:

- Students are expected to make up any and all missed work.

- If the absence is approved in advance and/or if the work is assigned by the teacher in advance, all make-up work, including tests assigned for the day of return, is due upon the student's return to school. Teachers should use discretion and may make exceptions in the case of students whose excused absences were not planned in advance, were beyond the student's control, and the nature of which would not support make-up work the day of return.
- If the make-up work has not been assigned in advance, for absences of one (1) to three (3) days, the student will have one class day for each day absent. For absences exceeding three (3) days, the student may have two (2) class days for each day absent to make up work. Special consideration will be given in the case of extended absences due to injury or chronic illness.

The following are specific expectations for the completion and grading of missed work in Earth Science:

- Any work assigned before student is absent is to be submitted upon arrival back to school.
- Late work will be accepted to the end of the second class day after the original due date. After that grace period feedback will be given but no credit will be received.
- ***It is the responsibility of the student to get all make-up work and make arrangements with the teacher to make up assignments and missed tests/quizzes. Students will make an appointment with their teacher to make up assessments.***

Interventions

For students at risk of academic failure, our school seeks to provide a prevention/intervention system that promotes successful completion and mastery of work. A detail of our plan is below:

The following are grade/subject specific expectations for prevention and intervention in Earth Science:

- Tutoring for students who do not complete essential outcomes may receive extra help by appointment.
- Students who receive below a 60% for the a quarter or multiple quarters can be offered a grade recovery contract. The grade recovery contract will:
 - Serve as an intervention for any student whose cumulative year grade is below a 60%.
 - A contract will outline a plan of action for the student to promote successful completion of classroom objectives for the remainder of the year.
 - The fulfillment of the contract will allow a student's past quarterly average to be raised up to a 59%.
- Parent communication
 - Progress reports sent out at least once each quarter
 - PowerSchools will be updated every two weeks.
 - Attendance will be taken and recorded daily.
- Since tests are worth a large portion of a student's grade (45%), a form a grade recovery will be offered for those students that fail a particular summative test assessment. **Students must declare that they are interested in taking a grade recovery within 48 hours of the posting of the test grades.**

- All students wishing to take a grade recovery test will need to complete a teacher designated grade recovery test requirement assignment prior to taking that test assignment.
- After completing the grade recovery test requirement assignment they can then take the grade recovery assessment appointment with the teacher.
- The final grade will be an average of the two test assessments unless the average grade is lower than their first test assessment in which case they will keep their initial test assessment.
- **Grade recovery tests will have to be completed prior to the next summative unit test.**
 - Honors students will have a test grade recovery assessment of an essay/ short answer.
 - Academic students will have a retest of the original test questions.

Grading System:

Minor Assignments..... 15%
 Major Assignments.....40%
 Tests.....45%

Example

MNA $100+85=185/2=92.5 \times .15=$ **9.25** 9.25
MJA $100+70=170/2=85 \times .4=$ **34.0** 34.0
TES $100+95=195/2=97.5 \times .45=$ **43.88** 43.88

9 Weeks Grade 87.13

Grades:

45% = Tests

- **Retests are given.**

40% = Major Assignments

- **This can include but is not limited to articles, quizzes, research papers and projects.**

15% = Minor Assignments

- **This can include but is not limited to classwork, blog posts, notebook checks and current events.**

Earth Science Testing:

1. We will have many tests during the year. Each test will contain a number of “look back” questions (questions from previous test). These tests will be multiple choice.
2. Extra credit from games, and other activities will be added to the lowest grades except projects and research papers.

Success Day/Tutoring

Success Day will be held on Tuesday, 2:25-3:15 (unless a meeting conflicts). If this is not a convenient time, I will offer extra help to anyone who feels they need it, by appointment before/after school. Don't hesitate to ask for help if you are having difficulty.

Rules:

1. Respect is number one. Respect yourself, your instructor, others, and the classroom (no eating or drinking in class, no writing on desk, etc.)
2. Be in class and in your seat **before** the bell. This includes the bathroom, pencil sharpening, lockers, talking to friends, etc. ***Skipping class or being tardy more than two times will result in either after school or lunch detention.**
3. Get permission to leave your seat for **any** reason.
4. The teacher dismisses class not the bell, clock, or other students.

If you find these requirements and rules within your capabilities please sign and date. On the next page.

Keep this class syllabus in your notebook at all times. Submit this page to Mr. Standifer.

Thank you.

Mr. Standifer's e-mail address is: pstandifer@wcpss.net

STUDENT LAB SAFETY CONTRACT

PURPOSE

The science curriculum is a hands-on laboratory experience. Students will be asked to participate in some activities which require the use of hazardous chemicals and/or potentially dangerous equipment. Safety in the science classroom is the #1 priority for students, teachers, and parents. To ensure a safe science classroom, a list of guidelines has been developed and provided to you in this student safety contract. These rules must be followed at all times. We ask that you read through the rules carefully and sign a contract agreeing to abide by these guidelines in order to safely participate in our curriculum. **PLEASE RETURN THE SIGNED AGREEMENT TO YOUR SCIENCE TEACHER ON THE FIRST DAY OF CLASSES.**

GENERAL GUIDELINES

1. Conduct yourself in a responsible manner at all times in the laboratory.
2. Follow all written and verbal instructions carefully. If you do not understand a direction or part of a procedure, ask the instructor before proceeding.
3. Never work alone. No student may work in the laboratory without an instructor present.
4. When first entering a science room, do not touch any equipment, chemicals, or other materials in the laboratory area until you are instructed to do so.
5. Do not eat food, drink beverages, or chew gum in the laboratory. Do not use laboratory glassware as containers for food or beverages.
6. Perform only those experiments authorized by the instructor. Never do anything in the laboratory that is not called for in the laboratory procedures or by your instructor. Carefully follow all instructions, both written and oral: Unauthorized experiments are prohibited.
7. Be prepared for your work in the laboratory. Read all procedures thoroughly before entering the laboratory. Never fool around in the laboratory. Horseplay, practical jokes, and pranks are dangerous and prohibited.
8. Observe good housekeeping practices. Work areas should be kept clean and tidy at all times. Bring only your laboratory instructions, worksheets, and/or reports to the work area. Other materials (books, purses, backpacks etc.) should be stored in the classroom area.
9. Keep aisles clear. Push your chair under the desk when not in use.
10. Know the locations and operating procedures of all safety equipment including the first aid kit, eyewash station, safety shower, fire extinguisher, and fire blanket. Know where the fire alarm and the exits are located.
11. Always work in a well-ventilated area. Use the fume hood when working with volatile substances or poisonous vapors. Never place your head into the fume hood.
12. Be alert and proceed with caution at all times in the laboratory. Notify the instructor immediately of any unsafe conditions you observe.

13. Dispose of all chemical waste properly. Never mix chemicals in sink drains. Sinks are to be used only for water and those solutions designated by the instructor. Solid chemicals, metals, matches, filter paper, and all other insoluble materials are to be disposed of in the proper waste containers, not in the sink.
14. Labels and equipment instructions must be read carefully before use. Set up and use the prescribed apparatus as directed in the laboratory instructions or by your instructor.
15. Keep hands away from face, eyes, mouth and body while using chemicals or preserved specimens. Wash your hands with soap and water after performing all experiments. Clean (with detergent), rinse and wipe dry all work surfaces (including the sink) and apparatus at the end of the experiment. Return all equipment clean and in working order to the proper storage area.
16. Experiments must be personally monitored at all times. You will be assigned a laboratory station at which to work. Do not wander around the room, distract other students, or interfere with the laboratory experiments of others.
17. Students are never permitted in the science storage room or preparation room unless given specific permission by their instructor.
18. Know what to do if there is a fire drill during a laboratory period; containers must be closed, gas valves turned off, fume hoods turned off, any electrical equipment turned off.
19. Handle all living organisms used in a laboratory activity in a humane manner. Preserved biological materials are to be treated with respect and disposed of properly.
20. When using knives and other sharp instruments, always carry with tips and points pointing down and away. Always cut away from your body. Never try to catch falling sharp instruments. Grab sharp instruments only by the handles.

CLOTHING

21. Any time chemicals, heat or glassware are used, students will wear laboratory goggles. There will be no exceptions to this rule!
22. Dress properly during a laboratory activity. Long hair, dangling jewelry, and loose or baggy clothing are a hazard in the laboratory. Long hair must be tied back and dangling jewelry and loose or baggy clothing must be secured. Shoes should completely cover the foot. Appropriate foot-ware as required by the teacher.
23. Lab aprons have been provided for your use and should be worn during laboratory activities.

ACCIDENTS AND INJURIES

24. Report any accidents (spill, breakage, etc.) or injury (cut, burn, etc) to the instructor **immediately**, no matter how trivial it may appear.

25. If a chemical should splash in your eye(s) or on your skin, immediately flush with running water from the eyewash station or safety shower for at least 20 minutes. Notify the instructor immediately.

HANDLING CHEMICALS

26. All chemicals in the laboratory are to be considered dangerous. Do not touch, taste, or smell any chemicals unless specifically instructed to do so. The proper technique for smelling chemical fumes will be demonstrated to you.
27. Check the label on chemical bottles twice before removing any of the contents. Take only as much chemical as you need.
28. Never return unused chemicals to their original containers.
29. Never use mouth suction to fill a pipet. Use a rubber bulb or pipet pump.
30. When transferring reagents from one container to another, hold the containers away from your body.
31. Acids must be handled with extreme care. You will be shown the proper method for diluting strong acid. Always add acid to water, swirl or stir the solution and be careful of the heat produced, particularly with sulfuric acid.
32. Handle flammable hazardous liquids over a pan to contain spills. Never dispense flammable liquids anywhere near an open flame or source of heat.
33. Never remove chemicals or other materials from the laboratory area.
34. Take great care when transferring acids and other chemicals from one part of the laboratory to another. Hold them securely and walk carefully.

HANDLING GLASSWARE AND EQUIPMENT

35. Carry glass tubing, especially long pieces, in a vertical position to minimize the likelihood of breakage and injury.
36. Never handle broken glass with your bare hands. Use a brush and dustpan to clean up broken glass. Place broken or waste glassware in the designated glass disposal container.
37. Inserting and removing glass tubing from rubber stoppers can be dangerous. Always lubricate glassware before attempting to insert it in a stopper. Always protect your hands with towels or cotton gloves when inserting glass tubing into, or removing it from, a rubber stopper. If a piece of glassware becomes "frozen" in a stopper, take it to your instructor for removal.
38. Fill wash bottles only with distilled water and use only as intended, e.g., rinsing glassware and equipment, or adding water to a container.
39. When removing electrical plug from its socket, grasp the plug, not the electrical cord. Hands must be completely dry before touching an electrical switch, plug, or outlet.

40. Examine glassware before each use. Never use chipped or cracked glassware. Never use dirty glassware.
41. Report damaged electrical equipment immediately. Look for things such as frayed cords, exposed wires, and loose connections. Do not use damaged electrical equipment.
42. If you do not understand how to use a piece of equipment, ask the instructor for help.
43. Do not immerse hot glassware in cold water; it may shatter.

HEATING SUBSTANCES

44. Exercise extreme caution when using a gas burner. Take care that hair, clothing and hands are a safe distance from the flame at all times. Do not put any substance into the flame unless specifically instructed to do so. Never reach over an exposed flame. Light gas (or alcohol) burners only as instructed by the teacher.
45. Never leave a lit burner unattended. Never leave anything that is being heated or is visibly reacting unattended. Always turn the burner or hot plate off when not in use.
46. You will be instructed in the proper method of heating and boiling liquids in test tubes. Do not point the open end of a test tube being heated at yourself or anyone else.
47. Heated metals and glass remain very hot for a long time. They should be set aside to cool and picked up with caution. Use tongs or heat-protective gloves if necessary.
48. Never look into a container that is being heated.
49. Do not place hot apparatus directly on the laboratory desk. Always use an insulating pad. Allow plenty of time for hot apparatus to cool before touching it.
50. When bending glass, allow time for the glass to cool before further handling. Hot and cold glass has the same visual appearance. Determine if an object is hot by bringing the back of your hand close to it prior to grasping it.

In addition to these general guidelines, ALWAYS abide by any additional safety procedures provided by your instructor at the time of an activity.

Dear Students, Parents, and Guardians,

The Enloe High School Science Department feels that you should be informed regarding the school's effort to create and maintain a safe science classroom/laboratory environment. With the cooperation of the instructors, parents, and students, a safety instruction program can eliminate, prevent, and correct possible hazards.

Please take the time to familiarize yourself with the guidelines established in the *Student Lab Safety Contract*.

After reading the Student Lab Safety Contract, please complete the questions below and sign this agreement. Return this form to Mr. Standifer. Do not forget to complete the Lab Safety Video on Edpuzzle. It is a grade. All students must have the form signed and the video questions complete, in order to participate and/or be graded for labs and activities.

QUESTIONS

1. Do you wear contact lenses? YES NO
2. Are you color blind? YES NO
3. Do you have any allergies? YES NO

 If YES, list specific allergies:

Mr. Patrick N. Standifer
Remind Form

August 28, 2017

Dear Parents,

I am very excited to announce a new technology that will help me as a teacher connect with students outside of the classroom. Remind is a great way for a teacher to safely and securely text a class important information about assignments or remind them about what to bring into their next scheduled class. A few teachers at Enloe have utilized this resource over the past few years, and this year I would like to utilize this resource for your child's class.

Now you're probably wondering how this will work. Let's say for example that I forgot to mention to a class that they needed to bring in a particular object for a lab. Normally in this scenario, a new lesson would have to be planned. Now, using Remind, I can send a quick reminder to students through an online program about what to bring in. Remind does not give students my phone number, and I will not have theirs. This allows for safe communication with students and allows for me to remind them about upcoming due dates for projects and assignments.

I would also like to suggest and offer parents to add their cell phone numbers to Remind so that they can see what their child needs to do for my class. The instructions for signing up can be found at the website mentioned below. Lastly, please note this is an optional part of my class, but all are encouraged to participate. If your child does not have a cell phone and/or you would rather an email reminder I could do that as well, simply put the email you would like me to send information to on the bottom of this form and turn it back in. Again, my use of Remind is strictly educational and will never be used for spam. If you have any questions please feel free to contact me. Have a wonderful day.

Sincerely,

Mr. Standifer
email: pstandifer@wcpss.net

*****To Signup for Remind look below. You may sign up on the Remind App as well.**

1st Period B
Text: 81010
Enter: @1bstandif

2nd Period B
Text: 81010
Enter: @2bstandif

4th Period B
Text: 81010
Enter: @4bstandif

2nd Period A
Text: 81010
Enter: @2astandif

3rd Period A
Text: 81010
Enter: @3astandif

4th Period A
Text: 81010
Enter: @4astandif

STUDENT AGREEMENT

I, _____ (student's name) have read and agree to follow all of the safety rules set forth in the Student Lab Safety Contract. I realize that I must obey these rules to insure my own safety, and that of my fellow students and instructors. I will cooperate to the fullest extent with my instructor and fellow students to maintain a safe lab environment. I will also closely follow any oral and written instructions additionally provided by the instructor as part of a specific activity. **I am aware that any violation of this safety contract that results in unsafe conduct in the laboratory or misbehavior on my part, may result in being removed from the laboratory, detention, receiving a failing grade, and/or dismissal from the course.**

Student signature

Date

Parent or Guardian,

Your signature on this contract indicates that you have read this Student Lab Safety Contract, are aware of the measures taken to insure the safety of your son/daughter in the science laboratory, and will instruct your son/daughter to uphold his/her agreement to follow these rules and procedures in the laboratory.

Parent/Guardian Signature

Date

Keep this class syllabus in your notebook at all times.

Submit this page to Mr. Standifer.

Keep this class syllabus in your notebook at all times.

Submit this page to Mr. Standifer.

Thank you.

Mr. Standifer's e-mail address is: pstandifer@wcpss.net

Student Signature: _____

Date: _____

Parent Signature: _____

Date: _____

Parent/ Guardian Contact:

Mother/ Guardian: _____

Home _____ Mobile _____ Work _____

Email _____

Father/ Guardian: _____

Phone:

Home _____ Mobile _____ Work _____

Email _____