



COLUMBIA SECONDARY SCHOOL
For Math, Science and Engineering
Miriam Nightengale, Principal

7TH Grade SCIENCE – STUDENT CONTRACT/SYLLABUS REMOTE LEARNING

Prof. Bulalang/Prof. Gjikola

Teacher's Name

Class Section

Room

Student's Name

GRADES:

1. Your grade in this class will be based on class Tests, Laboratory work, Projects, Reinforcement work, Do Nows, Notes, Reading Activities, a Mid-term Examination & your class Conduct.
2. All Class work will be submitted ONLINE via Google Classroom, Test Wizard and other Online platforms used in class.
3. **ONLINE PLATFORMS** used in class are: Google Classroom which includes Google Apps for Education, Test Wizard, Zoom, PearDeck, EdPuzzle, and multiple websites for virtual labs.

REGULATIONS:

1. **You must follow the Zoom Protocols during class. You will type your notes during the class on a pdf document.** Notes will be graded on a regular basis (every Friday). Turned in via Google Classroom.
2. You must come prepared with pens, paper, computer and/or headphones to the live class session.
3. You will have **Reinforcement assignments in Science twice a week (Monday and Tuesday)**. The Reinforcement assignments will be graded for content and completeness. If you are absent, you must make up the assignment(s) and turn it in within two days on Google Classroom. Check www.profbulalang.com, Google Classroom & www.pupilpath.com.
4. Follow health and sanitation protocols during the class. i.e. social distancing, wearing a mask, sanitizing shared materials

ABSENCE AND LATENESS:

1. If you are absent, it is **your responsibility to send an email to the teacher explaining your absence**. It is your responsibility to find out what class work was missed on Google Classroom or pupilpath. Parents must email the teacher confirming the student's absence.
2. It is **your responsibility to be logged in to Zoom on the designated time**. If you are late, you must email the teacher for the reason. Only valid reasons with parent's consent will be excused.
3. You must understand that **there is no excuse for cutting a class**.

LABORATORY WORK:

1. You are required to do approximately 15 laboratories each semester and to complete the work associated with the laboratory exercise. Laboratory activities will be virtual or a demonstrations. These activities may be in group breakout sessions or individual.
2. Lab work will be graded on a) following the proper procedure during the lab exercise and b) on the completeness of the written lab work.
3. The hands-on laboratory work is a critical part of the Science curriculum and must be approached in a responsible manner.
4. Your lab grade simply reflects the percentage of satisfactory lab reports completed for that marking period or term, while the actual grades for those labs will be used to calculate part of your class grade.

CLASS PARTICIPATION INCLUDES BUT IS NOT LIMITED TO:

- A. Reading aloud when called upon.
- B. Doing assignments in class,
- C. Working out exercises and participate in discussions via Zoom, i.e. Summaries, Do Nows.

- D. Working with group members in an appropriate manner on projects, presentations, test reviews, etc.
- E. Other specified tasks such as taking class notes and class and group discussions.

1. You are expected to study material at home and to complete all assignments. You will pass your Science class only if you have demonstrated that you have learned the required concepts and skills in Science.
2. **Reinforcement Work:** the number of satisfactory reinforcement assignments completed will affect your grade. **Reinforcement Work** may include but it may not be limited to one of the following: reading activities, study and/or review of class notes and preparation work for class.
3. **Behavior Grade** includes being online on time, follow Zoom protocols, participation in class discussions and attendance. Each student will start with a grade of 100 per marking period on Behavior but will decrease as the student violates any protocols in class. For lateness and Absences, emailed excuse notes from parents are required to avoid any points deducted from the behavior grade.

| GRADING POLICY | FIRST MARKING PERIOD | SECOND MARKING PERIOD | THIRD MARKING PERIOD |
|--|-----------------------------|------------------------------|-----------------------------|
| Tests | 25% | 25% | 25% |
| Projects | 10% | 10% | 10% |
| Reinforcement Work | 10% | 10% | 10% |
| Activity | 10% | 10% | 10% |
| Laboratory Work | 20% | 20% | 20% |
| Do Nows and Notes | 10% & 10% | 10% & 10% | 5% & 5% |
| Midterm Exam | NA | NA | 10% |
| Behavior (attendance, demeanor) | 5% | 5% | 5% |

Grades will be uploaded on www.pupilpath.com daily.

You can download any hand-outs or worksheets used in class at www.profbulalang.com and **Google Classroom.**

You are welcome to arrange to meet with me for conference and extra help during LUNCH or RECESS.
The best way to communicate with me is via email idabulalang@columbiasecondary.org

ALL SCHOOL WIDE RULES APPLY IN SCIENCE CLASSROOMS.
Let's have a successful and productive school year.

I have read the requirements to pass this class and I understand what is expected of me in class.

Student Name & Section

Signature of Parent/Guardian above Printed Name,
Contact number & frequently used email address



Protocols for Google Meet/Zoom

Protocols

- Log in using your School Email Only
- Do not share your screen
- Do not share our meeting URL with anyone, ever!
- When in the meet, only use chat for class purposes
- Follow our class norms
- If anything occurs that is does not adhere, log off and then the teacher will log off
- If these aren't followed, Admin will be involved.

Norms for Students Using Chat

- Live Sessions will be recorded.
- When you enter - Microphone must be on mute
- Written chat must be for class purposes only. If you have other questions outside of the topic, please email.
- Students in attendance will have jobs that help those who are here live and also help those who watch after.
- If called upon, please unmute your mic and chime in.
- Recordings and transcripts of the chat will be posted after the Live Session.

7TH GRADE LIFE SCIENCE LIST OF TOPICS:

| |
|--|
| Lab Safety |
| Characteristics of Life |
| Cell Theory |
| Energy Capture: Photosynthesis |
| Heterotrophic Nutrition: Digestive System |
| Cellular Respiration |
| Circulatory and Respiratory Systems |
| Immune System |
| Excretory System and Urinary System |
| Regulation: Nervous System and Endocrine System |
| Reproduction: Asexual and Sexual Reproduction |
| Cell Cycle and Cell Division Mitosis |
| Egg Development & Meiosis |
| Gamete Production & Fertilization |
| Structures & Mechanisms of Genetics |
| Molecular Genetics |
| Ecosystems & Invasive Species |
| Population Dynamics |
| Ecosystems to Biomes |
| Mechanisms & Effects of Climate Change |
| Mechanisms & Effects of Resource Use |
| Pesticide, Pests, & Human Health (organ systems, toxins, vector born disease & homeostasis) |
| Sustainability: Building Sustainable Cities and Apartments |

For classroom resources: (Notes, Do Now, Reading Activities, Laboratory Activities, Reinforcement)










1. www.profbulalang.com

2. Google Classroom (you need a DOE email to log in)

3. www.pupilpath.com

| | | |
|---|--|---|
| <p>● STRUCTURE AND FUNCTION: How do the structures of organisms enable life's functions? (HS.LS.1)</p> <p>● MATTER AND ENERGY IN ORGANISMS AND ECOSYSTEMS: How do organisms obtain and use energy they need to live and grow? How do matter and energy move through ecosystems? (HS.LS.2)</p> | <p>● INTERDEPENDENT RELATIONSHIPS IN ECOSYSTEMS: How do organisms interact with the living and non-living environment to obtain matter and energy? (HS.LS.3)</p> <p>● INHERITANCE AND VARIATION OF TRAITS: How are the characteristics from one generation related to the previous generation? (HS.LS.4)</p> | <p>● NATURAL SELECTION AND EVOLUTION:: How can there be so many similarities among organisms yet so many different plants, animals, and microorganisms? How does biodiversity affect humans? (HS.LS.5)</p> |
|---|--|---|

*See the High School Life Science storylines in NGSS for more information.

| | | | | | | | | |
|---|---|--|--|---|---|---|--|--|
| <p>UNIT 1: Characteristics of Life</p>  <p>●</p> | <p>UNIT 2: Nutrients, Energy, & Biochemical Processes</p>  <p>●</p> | <p>UNIT 3: Homeostasis in Human Body Systems</p>  <p>●</p> | <p>UNIT 4: Disease & Disruption of Homeostasis</p>  <p>●</p> | <p>UNIT 5: Comparative Reproduction</p>  <p>●●●</p> | <p>UNIT 6: Genetics, Biotech, & Decision Making</p>  <p>●●</p> | <p>UNIT 7: Ecosystems and Invasive Species</p>  <p>●●</p> | <p>UNIT 8: Climate Change & Human Impact</p>  <p>●●●</p> | <p>UNIT 9: Review of Major Topics</p>  <p>●●●●</p> |
|---|---|--|--|---|---|---|--|--|