

Mrs. Swarts
8th Grade Science Syllabus
2017-2018 Reid Ross Classical Middle School

Welcome to 8th Grade Science!! Our mission: T.E.A.M. – **T**ogether **E**veryone **A**chieves **M**ore! This year all students will become super scientists by mastering the following objectives:

CHEMISTRY

Introduction to the periodic table

Learning the physical and chemical properties of matter

ENERGY SOURCES

among the trophic

Analyze consequences of energy source attainment and use

Recognize renewable vs. nonrenewable resources
web

HISTORY OF THE EARTH

Evaluate evidence of our changing planet
of plants vs.

ANIMAL EVOLUTION & CLASSIFICATION

Analyze the Theory of Evolution
exercise on

Explain the relationship of natural selection

HYDROSPHERE

effects of

Explain and explore the structure of the hydrosphere
environment

Analyze the effects of humans on water quality

FOOD CHAINS AND FOOD WEBS

Differentiate between abiotic and biotic factors
in

an ecosystem

Summarize the relationships

levels of an ecosystem

Analyze the flow of energy in a food

MICROBIOLOGY

Compare the energy production process

animals

Explain the relationship of diet and

human health

Learn about positive and negative

microbes on humans and the

BIOTECHNOLOGY

Understand the affect and use of biotechnology
on

living organisms

Learn about the effects of biotechnology on
North

Carolina's economy and agriculture

ASSIGNMENTS: All assignments will belong to one of five categories.

1. Classwork/Homework: 20% of Final Grade
2. Labs: 20% of Final Grade
3. Projects: 20% of Final Grade
4. Tests: 20% of Final Grade
5. Quizzes: 20% of Final Grade

I have read and understand what is expected of me in science class.

Student Signature:

Parent Signature:

ABSENT POLICY: If a student misses an assignment due to an absence, CCS policy allows the student **5 school days** to make up the work for full credit. **Students are responsible for getting their missed work.**

CLASSROOM EXPECTATIONS: Students are required to adhere to the CCS/RRCS Student Handbook as well as the following:

1. FOLLOW SCIENCE SAFETY PROTOCOLS AS EXPLAINED IN THE SAFETY CONTRACT
2. BE RESPECTFUL
3. BE RESPONSIBLE
4. RAISE YOUR HAND TO BE HEARD
5. NO MOBILE DEVICES WITHOUT PERMISSION
6. NO FOOD OR DRINK IN THE SCIENCE ROOM