

COURSE TITLE:	Epidemiology		
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Forsyth County Schools Course Syllabus 2020/2021

Course Description: The epidemiology curriculum is designed to extend student investigations that begin in Biology. This curriculum is performance-based and integrates scientific investigations using real world situations to find patterns and determine causation of pathological conditions. Instruction will focus on the design, implementation, and evaluation of studies to increase students' media literacy and their understanding of public health. This course should expand their understanding of the scientific methods and develop critical thinking skills.

Standards: *Course Standards can be found at <https://www.georgiastandards.org/Georgia-Standards/Documents/Science-Epidemiology-Georgia-Standards.pdf> and via the Itslearning Course Materials folder.*

Required Assignments: This class will have a variety of project-based learning, argument driven research and summative assessments. Be prepared to WORK IN GROUPS and INDIVIDUALLY on a variety of assignments. Literacy is an extremely important aspect of this class, so keep up on any required reading. **Units to be covered include:**
 1. Introduction to Epidemiology and Immunology, 2. Determinants of Health and Disease, 3. Infectious Disease by Transmission, 4. Analytical Epidemiology and Research Design/Ethics, 5. Population Health/Non-Infectious Disease
 6. Emergency Response and Environmental Factors in Public Health, 7. Careers and Technology

Availability for Extra Help: Utilize IF! I will also be available most mornings from 7:30-8:15 and due to the uniqueness of this year, will probably hold some Virtual help sessions as well. Stay tuned 😊

Makeup Work: *Make up work is defined as work assigned during a student's absence, not work assigned prior to an absence. The student has five (5) school days upon returning to school to complete make-up work. I have the discretion to grant a longer period to make up work, if there are extenuating circumstances.*

Grading Calculations:

High School EOC Course Average = 40% (1st Sem. Course Work) + 40% (2nd Sem. Course Work) + 20% EOC
 1st & 2nd Semester Course Work = 80% Summative + 20% Formative

Non-EOC Course Average = 50% (1st Sem. Course Work) + 50% (2nd Sem. Course Work)
 1st and 2nd Semester Course Work = 80% Summative + 20% Formative

Concept of formative assessment: <http://pareonline.net/getv=8&n=9n.asp?>

Grading Policy:

A = 90 – 100

B = 80 – 89

C = 70 – 79

Failing = Below 70

Formative Assessments include, but are not limited to homework, class work, practice tests, rough drafts, and sections of projects/ research papers/presentations. Summative Assessments include, but are not limited to unit tests, final projects, final essays, final research papers, and final presentations.

Learning Resources/Textbook(s): All learning resources, both print and digital, are meant to support and enhance the student learning experience of this class. Below are the names of the textbooks and websites that will be used in this course. Some of the web-based resources require parent permission per federal regulations. Federal laws that guide parent permission requirements are as follows:

- **Children's Internet Protection Act (CIPA):** The school is required by CIPA to have technology measures and policies in place that protect students from harmful materials including those that are obscene and pornographic. Any harmful content contained within inappropriate sites will be blocked. <http://fcc.gov/cgb/consumerfacts/cipa.html>
- **Children's Online Privacy Protection Act (COPPA):** COPPA applies to commercial companies and limits their ability to collect personal information from children under 13 years of age. No personal student information is collected for commercial purposes. <http://www.ftc.gov/privacy/coppafaqs.shtm>
- **Family Educational Rights and Privacy Act (FERPA):** FERPA protects the privacy of student education records and gives parents the right to review records. Under FERPA, schools may disclose directory information in certain circumstances. <http://www2.ed.gov/policy/gen/guid/fpco/ferpa>

Please review the resource list. Each website related to the curriculum resources is provided along with their privacy policies. Should you have any questions regarding these resources immediately contact the course teacher via email or phone. *** The following resources are county approved. These resources may vary by school due to sequencing, pacing, curriculum design, and/or individual needs of students.**

Name of County Approved Resource*	Digital	Privacy Policy
OpenStax	A&P and Microbiology	Terms of Service
Georgia Virtual School	Epidemiology	http://www.gavirtuallearning.org/terms.aspx
Discovery Education	Classlink Access	Discovery Media Terms of Use
NewsELA	Classlink Access CLEVER	NewsELA Privacy Policy
CK-12 FlexBook: Biology	Classlink Access CLEVER	CK-12 Terms of Use

**** The following resources are web-based resources that require parent permission. By signing the syllabus, the parent is approving these resources. Should you have any questions regarding any of these classroom resources, please contact your student's teacher via email.**

Parent Initial for Approval **	Name of Resource	Website	Privacy Policy
	CDC Principles of Epidemiology Textbook	Principles of Epidemiology in Public Health Practice	CDC Privacy Policy
	Additional CDC resources (Science Ambassador Lesson Plans, WISQARS data, etc.)	CDC Website	CDC Privacy Policy
	HHMI biointeractive	Classroom Resources	Ed Framework In Progress
	Youtube Channels (Crashcourse, Scishow, TedEd, Healthcare Triage, etc.)	Youtube	Youtube Privacy Policy
	Frontline Documentaries (The Nightmare Bacteria, Poor Kids, etc.)	PBS Frontline	PBS Privacy Policy
	Films: "And the Band Played On..." and "Contagion"	DVD	
	Various "current event" articles from new sources	New York Times The Atlantic Nautilus	NYT Privacy Policy Atlantic Privacy Policy Nautilus Privacy Policy
	Various Primary Source Research Platforms such as JSTOR and GALILEO	Galileo Classlink Access JSTOR Classlink Access	Galileo Privacy Policy JSTOR Privacy Policy
	Nearpod	Classlink Access	Privacy Policy

I, _____, have read this course syllabus and approve of its contents. I agree to allow my student to use each of the classroom resources listed in the learning resource section. I will support my student following the classroom expectations outlined in this course syllabus. I agree that I am the person who is legally allowed to consent for my student whose name is listed below.

Student's Name (Print)

Parent's Name (Print)

Parent Signature

Date

Initials _____ (every page initialed by parent)

Updated June 2020 dp