



Intro...

• Chikezie O. Madu, Ph.D. EDUCATION

- Ph.D. Biomedical Sciences (Cancer Research)
- M.Ed. Education (Curriculum and Instruction)
- B.S Biochemistry (Protein Chemistry)

EXPERIENCE

• 26 years in combined teaching and research

What AP Biology offers -by former AP Bio Students

1. PREPARATION FOR COLLEGE



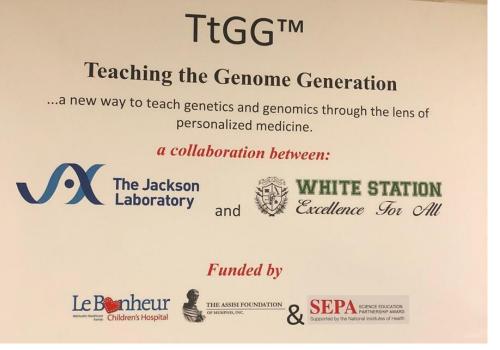
PREPARATION FOR COLLEGE

- Equivalent of a two-semester college biology course.
- Two classes in one (two grades)
- AP Biology exam in May and may earn a college credit if they pass the exam with a 4 or 5.

• Builds critical thinking skills, confidence, and the essential timemanagement and study skills needed for college success



PREPARATION FOR COLLEGE



M The Jackson Laboratory

RESEARCH & FACULTY ~ EDUCATION & LEARNING ~ JAX MICE & SERVICES ~ CLINICAL SERVICES ~ RESEARCH IN ACTION ~ NEWS & INSIGHTS ~

TEACHING THE GENOME GENERATION

Teaching the Genome Generation™is a platform for individual teachers and schools to enhance their genetics instruction through partnership with JAX Genomic Education and The Jackson Laboratory.



THE OPPORTUNITY FOR ADVANCED TRAINING

2. HELP TO GET INTO A GREAT COLLEGE

HELP TO GET INTO A GREAT COLLEGE

- 85% of selective colleges report that a student's AP Bio experience favorably impacts admission decisions into college and medical school
- Highly recommended by several professors at medical school that are involved in the admission process





HELP TO GET INTO A GREAT COLLEGE!"

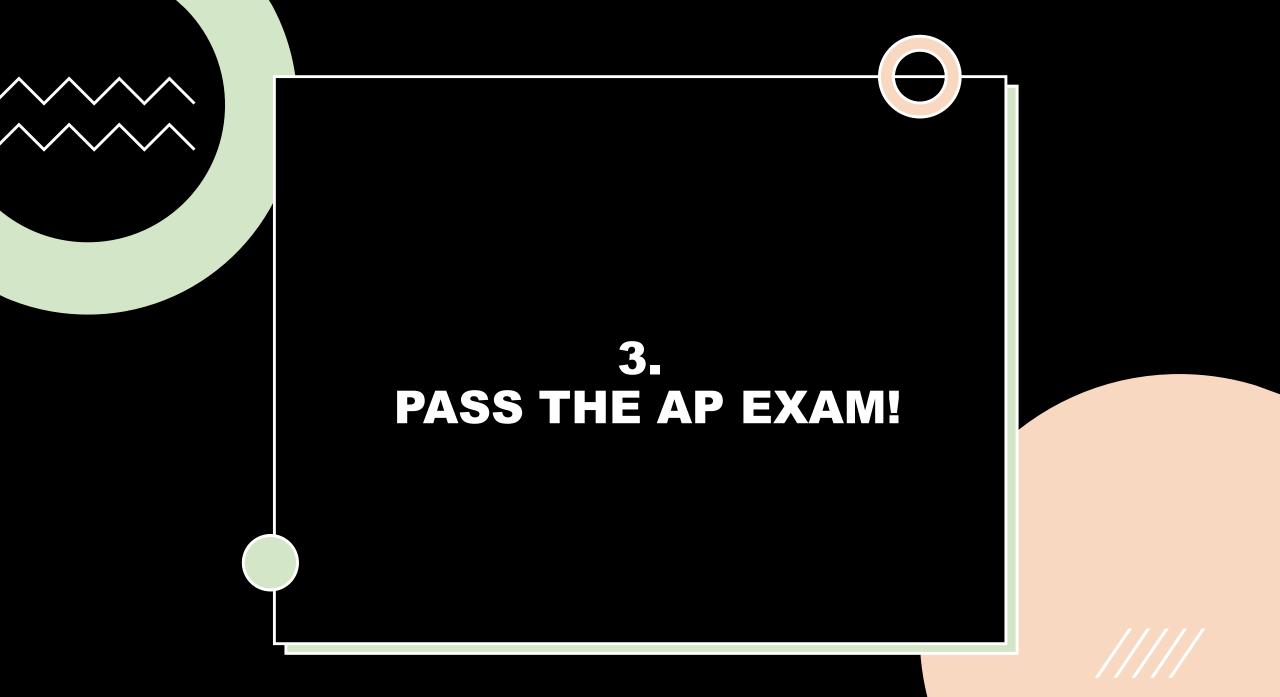
Publish a review paper



HELP TO GET INTO A GREAT COLLEGE!"

- Review your college essay, resume, and application process.
- Grant writing
- Community service





• <u>2013/14</u>

- 100% pass
- 57% 4s or 5s
- average class score-3.7
- <u>2014/15</u>
- 100% pass
- 75% 4s or 5s
- average class score-4.2
- <u>2015/16</u>
- 97% pass
- 75% 4s or 5s
- average class score-4.0
- <u>2016/17</u>
- 100% pass
- 84% 4s or 5s
- average class score-4.3
- <u>2017/18</u>
- 100% pass
- 90% 4s or 5s
- average class score-4.2
- <u>2018/19</u>
- 100% pass
- 86% 4s or 5s
- average class score-4.2

PASS THE AP EXAM!





LOTS OF LEARNING & FUN

• Explain intricate and complicated molecular biology and structural biology concept in an easy fun way

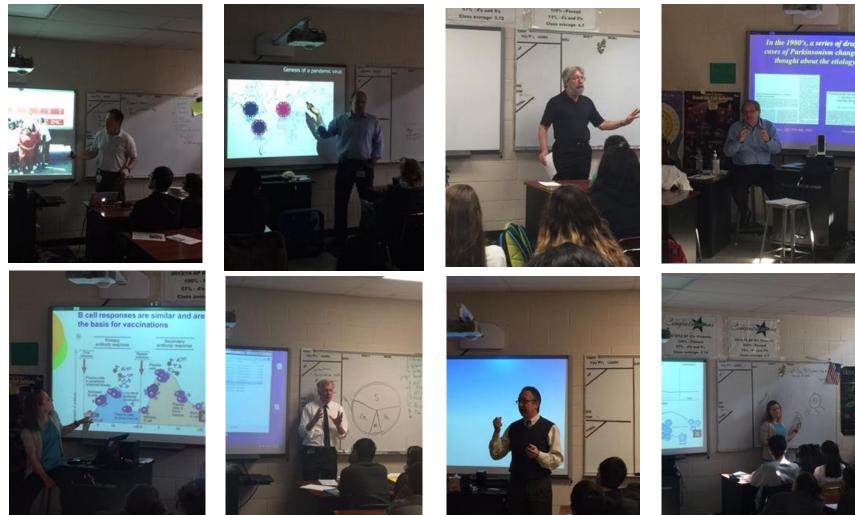
LOTS OF LEARNING & FUN

- ~65 awesome labs!!!
- Design Molecular Biology Experiment
- Interpret Review & Research Papers.



LOTS OF LEARNING & FUN

Seminars-Faculty from UT and St Jude.





"IT IS A VERY FUN CLASS!!!!!"

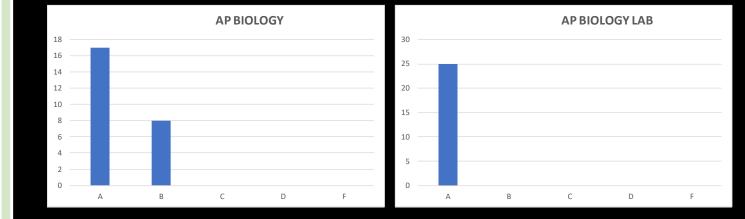
- Informal teaching environment.
- We often have snacks during class.
- We go out for picnics
- We go to the zoo.



5. EARN A GREAT GRADE



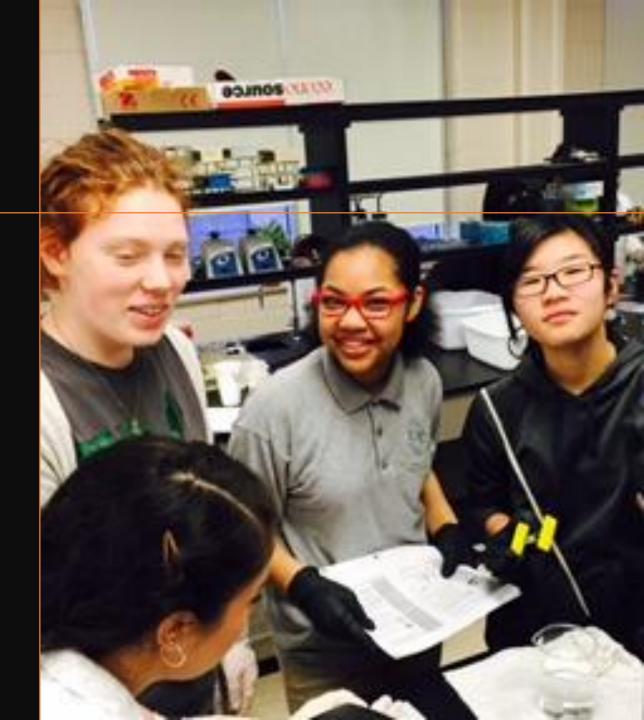
NOBODY FAILS





YOU WILL NOT FAIL!

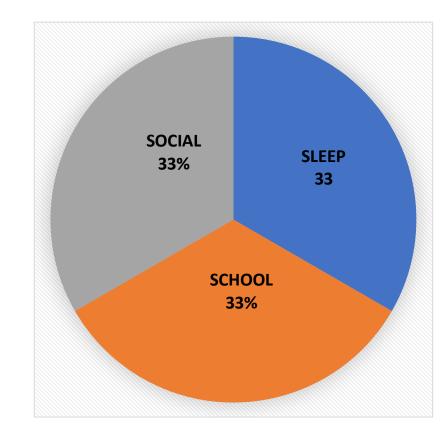
- We understand that you have
 - Other classes
 - Extra curricular activities
 - College applications
 - Social and family obligations
 - Different learning curves
 - Multiple girl friends (?)
 - etc.
- HOMEWORK
 - ~once a week
- DEADLINES
 - Decided by students
 - Spread out
- QUIZZES/TEST
 - Multiple opportunities to make bonus points
- TEACHING
 - Various learning styles



5 Reasons why students struggle -by former AP Bio Students

"5 Reasons why I struggled in AP Biology"

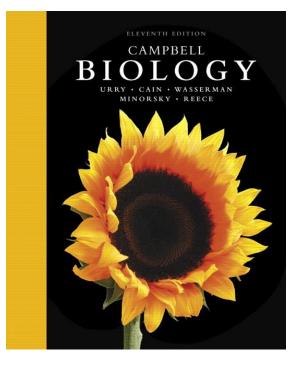
- 1. Procrastination or Laziness aka seniorities
- 2. Too many Extra curricular activities
- 3. Too many AP Classes
- 4. Learning curve
- 5. Wrong Goal/motive-took class just for AP credit

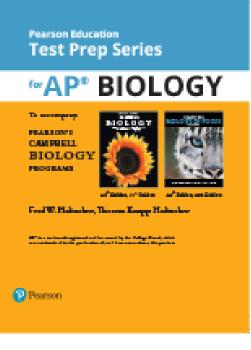


6 Things Required to get into Biology

- A or B in Biology
- A or B in Chemistry
- Instructors' approval
- Two teachers' recommendation
- For Juniors or Seniors.....
- Motivation and Passion!!!
-we make an exception for few sophomores who are willing and <u>capability</u> (ACT Science score)

Class Requirements





~\$105



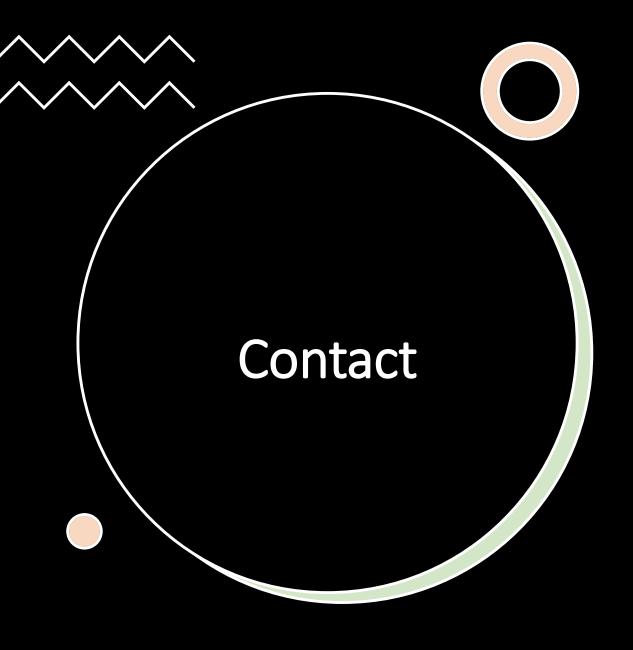
School provides for all students



THE REAL QUESTION IS..

• ...WHAT REALLY DO YOU WANT FROM A CLASS?





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