The background features a gradient from light purple to blue. On the left, there are three pieces of laboratory glassware: a tall test tube containing a yellow liquid, a 250 ml Erlenmeyer flask containing a blue liquid, and another 250 ml Erlenmeyer flask containing a green liquid. The glassware is surrounded by several translucent, glowing bubbles of various sizes. The text is positioned on the right side of the slide.

# GUIDANCE FOR 2<sup>ND</sup> YEAR SCIENCE

This presentation is for  
current 9<sup>th</sup> grade  
students in Biology

Prepared by your OHS  
Science Teachers

The background features a laboratory setting with various glassware. On the left, a test tube contains a yellow liquid with a white substance being added. In the center, a test tube contains a blue liquid. In the foreground, two Erlenmeyer flasks are visible; the one on the left contains a green liquid, and the one on the right contains a blue liquid. The background is a gradient of purple and blue, decorated with several translucent, 3D-rendered water droplets of various sizes.

2<sup>ND</sup> YEAR COURSES  
RECOMMENDED:

IPC  
CHEMISTRY  
CHEMISTRY PRE-AP

# IPC = INTEGRATED PHYSICS AND CHEMISTRY

- IPC IS NOT A STAAR TESTED COURSE
- IPC IS AN INTRODUCTION TO
  - PHYSICS (SEMESTER 1)
  - CHEMISTRY (SEMESTER 2)
- IPC SHOULD BE TAKEN BEFORE CHEMISTRY OR PHYSICS



WE RECOMMEND TAKING IPC TO STUDENTS  
WHO STRUGGLE IN MATH AND SCIENCE TO  
HELP THEM BE SUCCESSFUL IN BOTH  
CHEMISTRY AND PHYSICS



# WHO SHOULD CONSIDER IPC BEFORE CHEMISTRY?

IF YOU :

- STRUGGLED WITH ALGEBRA 1
- WILL RETAKE ALGEBRA 1
- WILL RETAKE BIOLOGY
- LOW SCORES ON BIOLOGY AND ALGEBRA 1

STAAR EXAMS

• IF YOU NEED EXTRA HELP AND SMALLER CLASS  
SIZES



All children  
Can Learn!

# WHO SHOULD TAKE CHEMISTRY ON-LEVEL?

- **SUCCESSFUL COMPLETION OF BIOLOGY**
- **SUCCESSFUL COMPLETION OF ALGEBRA 1**
- **COMFORTABLE USING ALGEBRA**
- **CONCURRENTLY IN GEOMETRY OR  
ALGEBRA 2**





# Who Should Take Pre-AP Chemistry?



- STUDENT EXCELS IN MATH AND SCIENCE
- CONCURRENTLY IN ALGEBRA 2 (PRE-AP)
- SCORED AN A OR HIGH B IN BIOLOGY (PRE-AP)
- ADVISED BY YOUR BIOLOGY TEACHER
- ADVISED BY YOUR COUNSELOR

**If you struggle in math and still decide to enroll in Pre-AP Chemistry, plan more time for tutoring and homework completion!**

# DIFFERENCES BETWEEN CHEMISTRY & PRE-AP CHEMISTRY

## PRE AP CHEMISTRY:

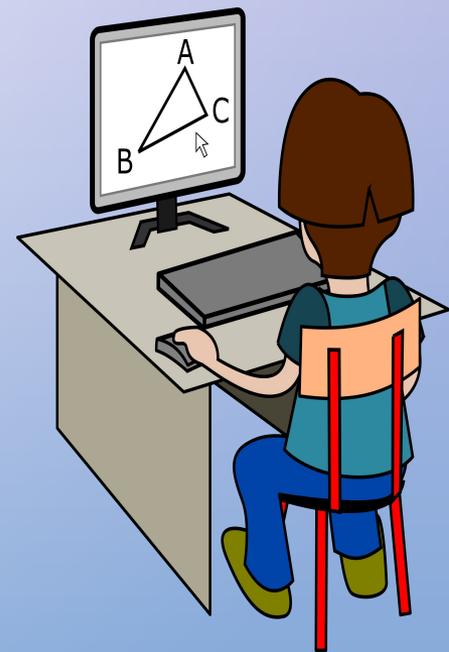
- PRE-AP CHEMISTRY IS A COURSE TAILORED TO STUDENTS WHO WILL BE GOING INTO A SCIENCE FIELD.
- COVERS THE SAME TEKS AS REGULAR CHEMISTRY AT AN **ACCELERATED RATE**; **PLUS** ADDITIONAL UNITS THAT PREPARE STUDENTS TO BE SUCCESSFUL IN AP CHEMISTRY OR CHEMISTRY AT THE COLLEGE LEVEL.



# DIFFERENCES BETWEEN CHEMISTRY & PRE-AP CHEMISTRY

## PRE-AP CHEMISTRY REQUIRES:

- A BETTER UNDERSTANDING OF MATH CONCEPTS AND A FASCINATION OF HOW SCIENCE WORKS.
- MEMORIZATION OF CHEMICAL NAMES, FORMULAS AND MATHEMATICAL CONSTANT VALUES
- APPROXIMATELY 1-2 HOUR OF STUDY TIME OUTSIDE THE CLASS PER WEEK FOR HOMEWORK, WORKING WITH A STUDY GROUP OR TUTORING.



# SUMMARY

<b>IPC</b>	<b>Chemistry</b>	<b>Pre-AP Chemistry</b>
Needs Assistance in Math, and has an average below 77 %	On-Track Math	Advanced Math
Below or approaches grade level on the 9th grade Biology and Algebra STAAR Exam	Meets grade level on the 9th grade Biology and Algebra STAAR Exam	Mastered the 9th grade Biology and Algebra STAAR Exam
Needs Assistance in Science, and has an average below 77 %	Likes Science and has a 77 average or higher	Excels and might major in Science
Supports success in Chemistry or Physics Later	Readiness for the next science course	Readiness for College/AP level Chemistry
Can be taken before	Taken 2 <sup>nd</sup> year or 3 <sup>rd</sup>	Taken 2nd year