



Welcome to TAC'S...

GENERAL STUDY SKILLS WORKSHOP #2





This study skills initiative is brought to you by Markville's Student Success Team and Transition Activities Council (TAC).

MEET YOUR TAC MENTORS!



CORE SUBJECT SPECIFICS

TODAY'S AGENDA



1. SCIENCE

2. MATH

3. LANGUAGE

**4. HISTORY / GEO /
BUSINESS STUDIES**



SCIENCE





WHO HERE FINDS SCIENCE
TO BE ESPECIALLY
DIFFICULT TO STUDY FOR?



SCIENCE CLASS CAN SEEM
OVERWHELMING,
BUT IF YOU FIND SOMETHING
THAT WORKS FOR YOU, YOU'LL
BE FINE.

SCIENCE STUDY SKILLS REACTION...



REVIEW EACH UNIT:

- TEXTBOOK (END OF UNIT SUMMARIES!)
- PREVIOUS ASSESSMENTS

MAKE ORGANIZED STUDY NOTES,

- HIGHLIGHTING IMPORTANT CONCEPTS/TERMS FROM EACH UNIT

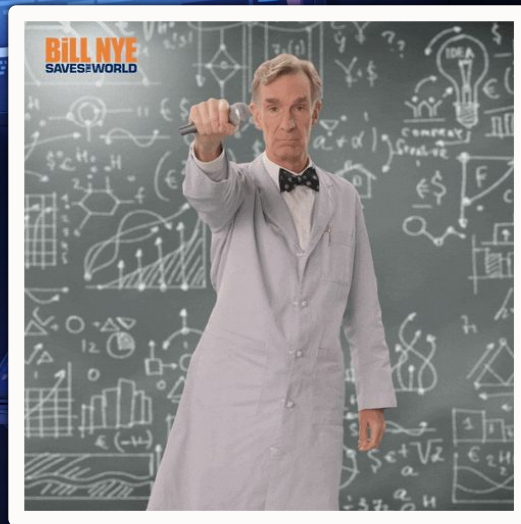
SCIENCE STUDY SKILLS REACTIONS...



**REVIEW PAST LESSONS + LABS,
AND SUMMARIZE LEARNINGS
(NOTES)!**

**ASK YOUR TEACHER OR FRIENDS
FOR ANY CLARIFICATIONS OR
HELP! *FORM A STUDY GROUP.**

SCIENCE STUDY SKILLS REACTIONS...



PRACTICE THE ANY CHAPTER
REVIEW/HOMEWORK
QUESTIONS, AND RE-EXAMINE
ANY PREVIOUS TESTS/QUIZZES

BE SUCCESSFUL IN
SCIENCE CLASS!

☐

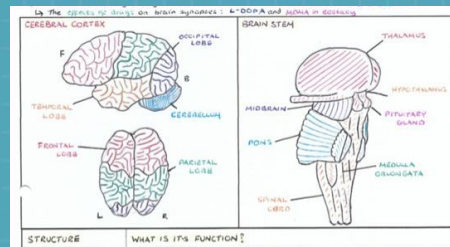
12 MHR • Unit 1 Organic Chemistry

WHAT TO INCLUDE IN NOTES: 🔍



- **Key terms + definitions**
 - Your teacher and the textbook will usually provide you with these!
- **Labelled Diagrams**
 - Most science tests will require you to draw out diagrams (i.e nitrogen cycle, chemical structures, human body processes etc), so practice drawing them while you can!
- **Simplified summaries** of key concepts/theories in your own words
- **Formulas** (useful for physics & chemistry)

Convex	An object or shape that curves or bulges outwards, like a circle or sphere.
Crest	The topmost part of a wave.
Frequency	The number of waves produced each second. The unit of frequency is hertz (Hz).
Lens	A transparent tool that can change the direction of a ray of light.
Longitudinal	A wave that moves in the same direction as the direction in which the particles are vibrating.
Opaque	Not transparent or see-through.
Reflection	There is a reflection when waves bounce off a surface.



KINEMATICS 📏 ⌚

$$\vec{v}_{inst} = d\vec{s}/dt \quad \vec{v}_{avg} = \Delta\vec{s}/\Delta t \quad s = ut + \frac{1}{2}at^2$$

$$\vec{a}_{inst} = d\vec{v}/dt \quad \vec{a}_{avg} = \Delta\vec{v}/\Delta t \quad v = u + at$$

$$v^2 = u^2 + 2as$$

REVIEW BIG IDEAS!



BIG IDEAS

- Groups of organs with specific structures and functions work together as systems that interact with other systems in the body.
- The development and uses of technology to maintain human health are based, in part, on the changing needs of society.

How does the circulatory system interact with the respiratory system?

What types of technological innovations were mentioned throughout the unit?

Think about the different concepts you learned and how they connect to the big ideas

What potential test questions could relate to these big ideas?

RESOURCES FOR SCIENCE



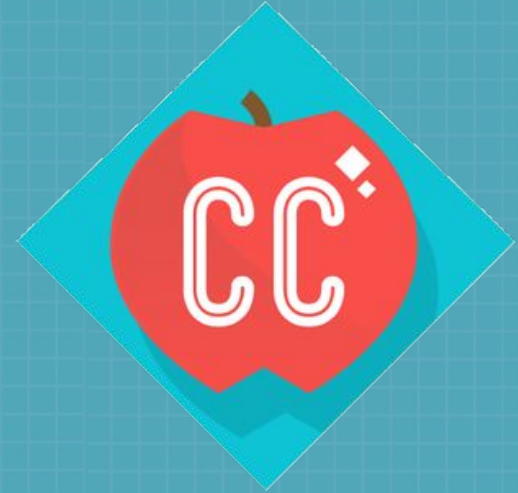
QUIZLET

Make your own study sets
and cue cards on quizlet to
help with memorization



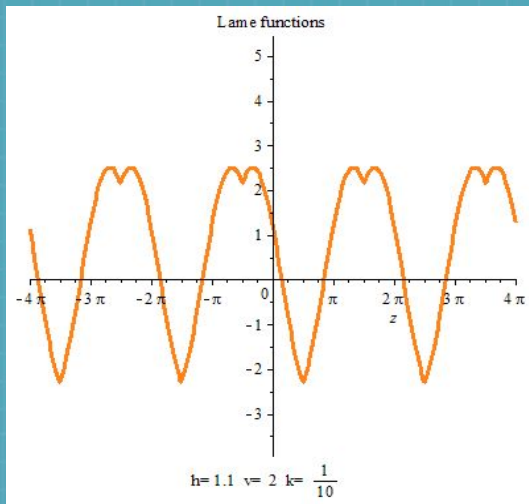
KHAN ACADEMY

In depth video
explanations and
solutions on specific
topics

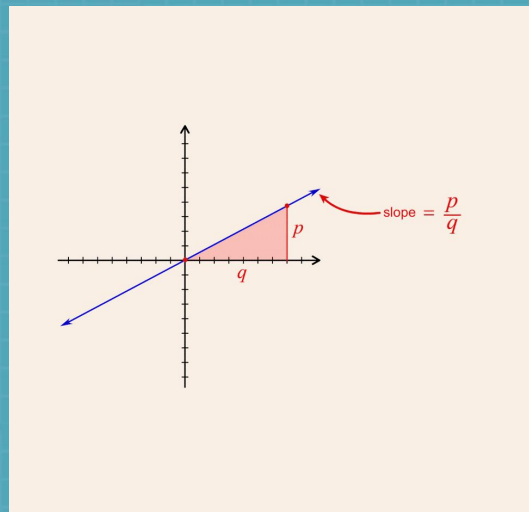


CRASH COURSE

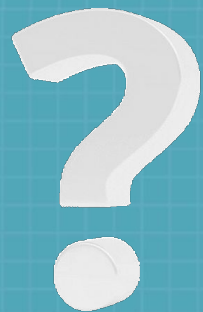
Interesting video
summaries on specific
topics (great for visual
learners)



MATH



WHO FINDS MATH
PARTICULARLY
CHALLENGING?





Math is 100% practice

Useful Math Resources



DESMOS



USEFUL FOR GRAPHING

SYMBOLAB



USEFUL FOR SOLVING
ALGEBRAIC

PREP ANYWHERE



VIDEO EXPLANATIONS ON
TEXTBOOK PROBLEMS

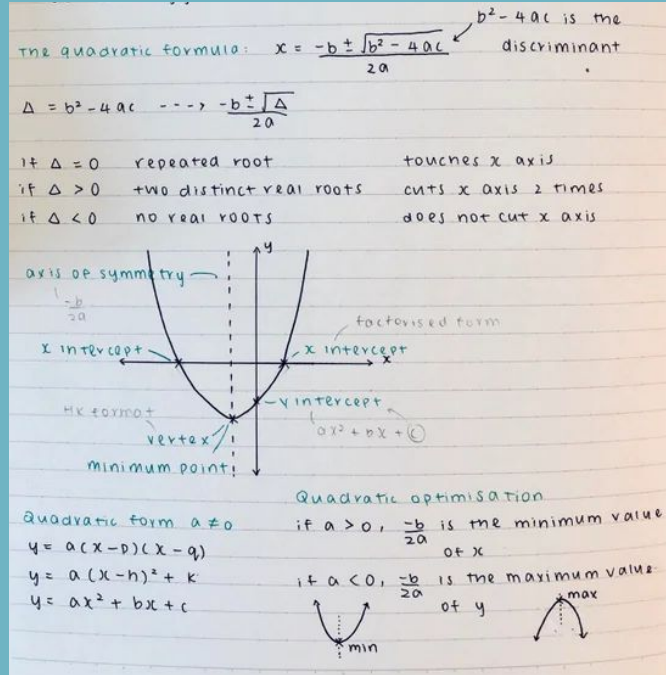
Youtube Channels: [Organic Chemistry Tutor](#), [Khan Academy](#), [JensenMath](#), [Ms Havrot's Canadian University Math Prerequisites](#), [AllThingsMathematics](#)



DO NOT FORGET TO KEEP YOUR QUIZZES/TESTS!

(for extra practice, ask any friends in other math
classes for their old tests/quizzes too! 😊)

Practice Practice Practice



Practice graphing different equations in the textbook/lessons

RACE CAR:

$$\vec{v}_i = 177 \text{ km/h [E]}$$

$$\vec{v}_f = 63 \text{ km/h [E]}$$

$$\Delta t = 5.25 \text{ s} \times \frac{1 \text{ min}}{60 \text{ sec}} \times \frac{1 \text{ hour}}{60 \text{ min}} = 0.00146 \text{ h}$$

Let west be negative

Let east be positive

$$\vec{a}_{av} = \frac{\Delta \vec{v}}{\Delta t}$$

$$= \frac{\vec{v}_f - \vec{v}_i}{\Delta t}$$

$$= \frac{63 \text{ km/h} - 177 \text{ km/h}}{0.00146 \text{ h}}$$

$$= \frac{-114 \text{ km/h}}{0.00146 \text{ h}}$$

$$= -78082.19 \text{ km/h}^2 \text{ [E]}$$

$$= 7.81 \times 10^4 \text{ km/h}^2 \text{ [W]}$$

\therefore her acceleration was $7.81 \times 10^4 \text{ km/h}^2 \text{ [W]}$

Your teachers WILL take off marks for form!
 Practice proper form when doing homework questions until it becomes a habit

**DO NOT BE AFRAID TO ASK
YOUR PEERS/TEACHERS
FOR HELP!**

LANGUAGES



ENGLISH CLASS

Lv. 45

MP



YOU

Lv. 9

MP

90

90

HERE ARE SOME
ENGLISH CLASS!

Moves

(STRATEGIES) TO CONQUER

Choose Your Move



WATER



FIRE

EFFECTIVE (WATER) MOVES

Identify the key themes in the novel

Gather all quotes that were studied
and highlighted in class.

Understand KEY terms: conflict,
character development, plot, theme,
setting, atmosphere, etc.

ENGLISH CLASS

Choose Your Move



WATER



FIRE

EFFECTIVE (WATER) MOVES

Make a list of questions for your readings and answer them!

Ex: "In The Great Gatsby, what symbols represent the theme of greed?"

Discuss readings with classmates and do research!

ENGLISH CLASS

Choose Your Move



ICE



FIRE

ENGLISH CLASS

INEFFECTIVE (ICE) MOVES

Falling behind on readings.

Relying on online sources rather than analyzing the book yourself first.

Not participating + note-taking in in-class discussions.



HISTORY / GEO / BUSINESS STUDIES



- DECA is a great extracurricular activity to prepare for the course content in grades 11 and 12 → lots of overlapping terminology
- Really build up those presentation skills
- Lots of essay writing involved



HISTORY/GEOGRAPHY



- Review each unit and ensure you understand its key concepts and terms
- Quizlets and Cue Cards
- Gather and use any quizzes, assignments, or classwork when studying
- Practice by creating your own mock test or ask your classmates to quiz yourself



TYPES OF TESTS



OBJECTIVE TEST

a test that has right
or wrong answers
and so can be
marked objectively

SUBJECTIVE TEST

a test evaluated by giving
an opinion, usually based
on agreed criteria or
evidence (usually based on
content from the course)



SPONGEBOB IS ABOUT TO TAKE A TEST!



THE TEST!



LET'S HELP SPONGEBOB OUT!



LET'S
IDENTIFY
WHAT TYPE
OF TEST IT
IS...

State Police
Fingerprint Record

Right Hand

Index Finger	Middle Finger	Ring Finger	Pinky Finger

Left Hand

Pinky Finger	Ring Finger	Middle Finger	Index Finger	Thumb

UNDER INVESTIGATION



OBJECTIVE TESTS

ie. tests in math, sciences, computer science, etc.

TIPS...

1. Survey the **entire test** first
2. **Easy** questions first!
3. Read over each question **carefully**
4. For multiple choice, **eliminate answers**, to end up with the **MOST correct answer**.
5. **Underline** **key words** in the questions
6. **Circle** difficult/unsure questions.
7. Prioritize **high mark** questions!





SUBJECTIVE TESTS

ie. tests in English, civics/careers, politics, geography, history, etc.

TIPS...

1. Create your **own test questions** and practice timed writing.
2. Scan over the test. **Prioritize!**
3. Number answers exactly to **match** the question numbers.
4. Briefly **outline your answer** before you begin writing.





SUBJECTIVE TESTS

TIPS CONTINUED...

4. Look for **keywords** (i.e., identify, describe, etc.)
5. Include an **intro/conclusion** for long answer questions.
6. Answer questions directly - don't beat around the bush for short answer questions.
7. **Leave time at the end** to check for grammar, mistakes, clarity of ideas, etc.





IF SPONGEBOB
IS WRITING A
MATH TEST...

WHAT TYPE OF
TEST IS IT?

OBJECTIVE!



**YOU HAVE GIVEN SPONGEBOB
THE TIPS AND HELPED HIM!!**

Reminder: Peer Tutoring



**PEER
TUTORING**

1-on-1 OR Drop in
BOTH ARE OFFERED!

**MONDAY-
THURSDAY**
3:30-4:30PM
via Zoom

To request a 1-on-1
tutor, visit:
bit.ly/1to1peertutor

For drops ins, just join
via Zoom when you
need help!

Students can drop-in when help is needed or request for a weekly 1-to-1 peer tutor. Peer tutoring sessions will be virtual, after school Monday-Thursday from 3:30-4:30 pm.

thanks!

ANY QUESTIONS?

