

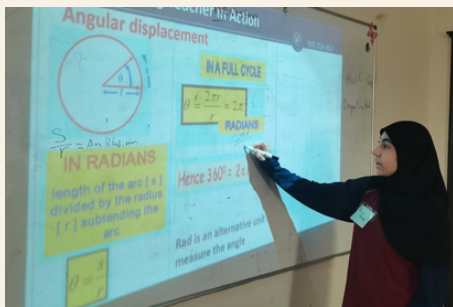
NEWSLETTER



WHATS HAPPENING AT NVS?



PHYSICS



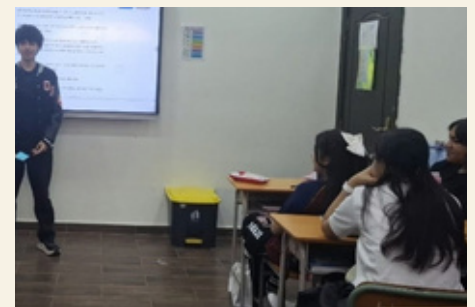
A young teacher enthusiastically explains a physics concept, sketching diagrams on the board while students watch and participate.

BIOLOGY



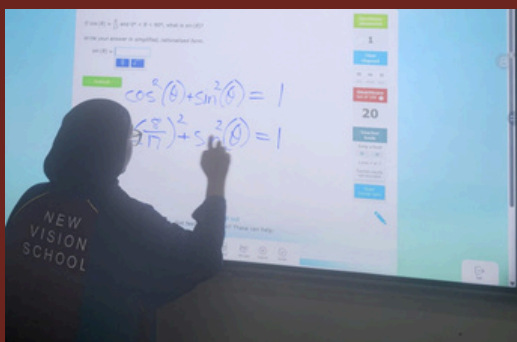
Grade 12 Biology students took an active role in their learning by presenting and explaining the lesson content to their peers. This student-led approach encouraged confidence, communication skills, collaboration, and deeper understanding while creating an engaging and interactive classroom environment.

CHEMISTRY



Students actively participated in an engaging classroom session on Rate Mechanism and Activation Energy. Through discussions, questions, and interactive learning, they explored how reactions occur, the role of activation energy, and how catalysts influence reaction rates.

MATH



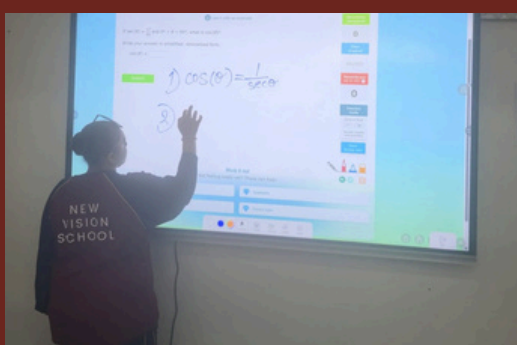
TWELFTH-GRADE STUDENTS USE TECHNOLOGY TO SOLVE EQUATIONS INVOLVING TRIGONOMETRIC FUNCTIONS.



ARABIC



ALI IS READING THE POEM AND EXPLAINING THE IMPORTANT FIGURES OF SPEECH



HAIDER IS EXPLAINING THE DIFFICULT VOCABULARY ITEMS IN THE CLASSIC POEM

ENGLISH

ARTICLE ON HOW WORDS PROVOKE EMOTION BY ZAINAB HEJAIR 12B

Words & Emotions

By Zainab Hasan Abdulhusain

GRADE 12

Often, we find ourselves deeply attached to a certain poem, book, or even something as short as a quote. But how often have you stopped and asked yourself, how can words provoke such emotion?

Interestingly, an extremely small number of people have the ability to write words that actually make people feel something. And as much as the author tries to convey a certain message, not everyone understands things similarly.

For the average person, words can make them feel sorrow, joy, nostalgia, or even sentiment. All of it reflects what a person's been through and the level of their empathy.

"How can words provoke such emotion?"

But while all that might seem obvious, the question lies deeper: is there a biological reason causing this?

Recent neuroscience research from Harvard Medical School and MIT shows that when humans hear or read emotionally charged words, neurons fire in real time. And these signals are interpreted in the brain and can influence things like heart rate, stress levels, and neurochemical releases such as dopamine, serotonin, and norepinephrine.

In short, the physical feelings are a result of the linguistic machinery of the brain being wired into your nervous and organ regulation systems.

The next question is for you: what is your favourite poem, book, or quote? And what emotions does it provoke?

SOURCES

Jamali, M., Grannan, B., Cai, J., Khanna, A. R., Muñoz, W., Caprara, I., ... & Williams, Z. M. (2024). Semantic encoding during language comprehension at single-cell resolution. *Nature*, 631(8021), 610-616.

Batten, S. R., Hartle, A. E., Barbosa, L. S., Hadj-Amar, B., Bang, D., Melville, N., ... & Howe, W. M. (2025). Emotional words evoke region- and valence-specific patterns of concurrent neuromodulator release in human thalamus and cortex. *Cell Reports*, 44(1).



STARS OF THE WEEK

- ★ SCIENCE – ZAHRAA AHMED 12A
- ★ ENGLISH – ZAINAB HEJAIR 12B
- ★ ARABIC – ZAHRAA MOHD 12 A
- ★ MATH – GHALYA HUMOOD AND JOOD ABDULHUSSAIN 12C

UPCOMING DATES, EVENTS & ACHIEVEMENTS

This Thursday, we will be holding our Parent-Teacher Conference, giving parents and teachers an opportunity to discuss students' progress, achievements, and areas for improvement. We look forward to welcoming parents and working together to support every student's success.

A team of NVS students participated in TradeQuest competition and did a remarkable job, working so hard to practice and prepare, though selection wasn't achieved this year, NVS team will always come back stronger each time.

Exams begin next week! Chemistry will be our first exam. This is a great time to stay focused, review your notes, and make the most of your revision time. Remember, consistent preparation and a positive mindset can make a big difference. Believe in yourself, do your best, and you've got this!

May your multiple-choice guesses be statistically miraculous next week.