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FACILITATORS with Year 6 students and teachers during Session 3 of STI 100³.



EXCITED Year 4 students uncover the hidden DNA inside strawberries.

STI 100³: INSPIRING YOUNG MINDS THROUGH MEDICAL SCIENCE

Assoc. Prof. Dr. Amirah Abdul Rahman,
Dr. Wan Nor Izzah Wan Mohamad
Zain, Dr. Muhammad Fairuz Azmi,
Dr. Azdayanti Muslim & Dr. Rose
Adzrianee Adnan

The Science, Technology & Innovation (STI) 100³ program ignited curiosity and enthusiasm for science among students of Sekolah Kebangsaan (L) Methodist ACS, Klang. Conducted between July and September 2025, the initiative



From DNA secrets to microbiology quests, STI 100³ brought science to life for 330 young learners, sparking excitement for STEM at SK (L) Methodist ACS, Klang.

brought together 334 students from Years 4 to 6 and more than 25 teachers, offering them hands-on experiences in genetics, anatomy, microbiology, and pathology genetic.

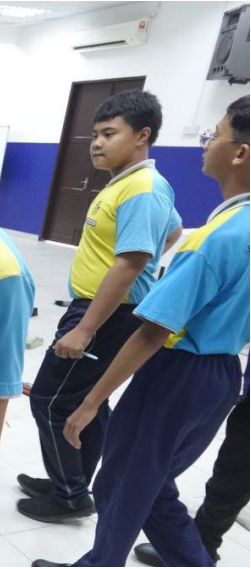
The first session, held on 17 July 2025 and themed *Exploring the Secrets of DNA: The Genetic Basis of Life*, engaged 113 Year 4 students. Through interactive experiments such as fruit DNA extraction, gel electrophoresis demonstrations, fingerprint detection, and a science-themed mini escape room, students were introduced to the foundations of genetics and biotechnology in a fun and memorable way.

The second and third sessions, themed *STEM Explorer: Unlocking the Signs of the Human Body* (31 July 2025) and *Exploring the World of Microbiology and Pathology* (11 September 2025), attracted 221 students from Years 5 and 6. Activities included X-ray Detectives, Bone Builder, Body Puzzle Quest, Sound Explorer, Microscopic View of Parasites and Fungi, Yeast in Action, and Karyotyping. A gamified mini escape room titled Escape



MR. SUFFIAN explaining microbes on our hands and the importance of proper hand washing





THE Genetic Pathology team guiding students in a hands-on karyotyping activity.



WITH the Anatomy team and Year 5 students during the 2nd session.

**STUDENTS** enjoying the mini escape games with excitement.

the Lab added an extra layer of excitement, blending problem-solving with teamwork while reinforcing scientific concepts.

Led by Assoc. Prof. Dr. Amirah Abdul Rahman, a scientist appointed by the Ministry of Science, Technology and Innovation (MOSTI) through the Academy of Sciences Malaysia (ASM), the program was supported by subject experts Dr. Wan Nor Izzah Wan Mohamad Zain (Biochemistry), Dr. Muhammad Fairuz Azmi (Anatomy), Dr. Azdayanti Muslim (Microbiology), and Dr. Rose Adzrianee Adnan (Genetic Pathology), as well as staff from the Multi-Purpose, Anatomy, and Pathology Laboratories and

**STUDENTS** conducting hands-on DNA extraction activities.

postgraduate facilitators. Their guidance ensured that the program's activities were not only educational but also engaging for the young participants.

STI 100³ aims to

spark awareness and interest in science while strengthening collaborations between scientists and schools. The introduction of preclinical medical science modules helps cultivate future-



YEAR 5 students exploring the Anatomy Mystery Jar.

ready learners.

Following its nationwide launch earlier in July, where 8,804 scientists and 8,804 schools participated simultaneously, earning recognition in the Malaysia Book of Records, the STI 100³ initiative continues to expand across selected schools nationwide. This effort represents an important step towards strengthening STEM education and inspiring the next generation of Malaysian scientists.



DNA electrophoresis station.