“SPS provided me a conducive learning environment to ask questions, make mistakes, and then learn from them. I also got the opportunity to organise various events for the wonderful community as the President of the SPS Committee.”

Koo Fang Ru
SPS student mentor (Class of 2017)

“Modern research encompasses the need to rethink and go beyond traditional approaches in understanding complex biological systems. The robust and holistic learning in the multidisciplinary environment of SPS equipped me with the mindset to do so.”

Lee Yew Mun
SPS alumni
Postdoctoral Research Fellow, NUS

“SPS imparted me with valuable research experiences, countless opportunities for self-development and interpersonal skills, which I tap into on a daily basis now. It has shaped much of my undergraduate life, and I’m confident that the lessons I learnt will carry me far in the world of scientific research.”

Ravinraj Ramaraj
SPS student mentor (Class of 2016)

“SPS was instrumental in shaping my research journey. It provided a conducive and supportive environment to freely express and test my research ideas. Having mentors from various scientific fields encourages the exchange of ideas and perspectives in an intellectually stimulating environment.”

Mavis Kang
Outstanding Undergraduate Researcher Prize (2019)
SPS graduate mentor (Class of 2015)
OVERVIEW

**What**
A student-oriented programme designed to train you to better understand and address modern multidisciplinary scientific challenges.

**Who**
Creative individuals who share a common passion for science, technology and research.

**How**
An integrated science curriculum comprising four thematic modules and two research-oriented modules.

**Why**
- Build scientific knowledge.
- Develop research and computational skills.
- Improve teamwork, communication and leadership skills.
- Have fun while learning new things!

INTEGRATED SCIENCE CURRICULUM

**SP2171**
*Discovering Science* lays the foundation for your journey as a scientist through training in scientific writing, information literacy, literature reviews, programming and science communication.

**SP2173**
*Atoms to Molecules* examines particles, their quantum properties, and how they come together to form molecules.

**SP2174**
*The Cell* studies how cells behave as stochastic systems that harness, store and utilise energy in ways that obey conservation laws.

**SP3172**
*Integrated Science Project* is a fast track to gain valuable research experience. You will conduct an interdisciplinary research project under the supervision of a Principal Investigator and SPS mentors.

**SP3175**
*The Earth* uses system thinking, computer modelling and fieldwork to investigate and unravel the keys to what makes Earth so special.

**SP3176**
*The Universe* explores cosmological models and astronomical observations, and how interdisciplinary science shapes our understanding of the universe.

MILESTONES

- **1996**
  SPS was established as the Faculty of Science Talent Development programme.

- **2011**
  SPS adopts the Integrated Science Curriculum.

- **2016**
  SPS celebrates its 20th anniversary.
  SPS Fund launched to help financially disadvantaged students.

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