

STEAM Collective (JH)

CCA days and timings:

Monday: 4.00pm to 6.00pm
Friday: 3.00pm to 6.00pm

Venue:

SH Computer lab 1, JH Computer lab 2, Robotics Club Room, Makerspace

Introduction:

The STEAM Collective hopes to nurture future-ready leaders in STEM-related domains. With the rapidly changing technological and economic landscape, it is imperative to be exposed to a broad base of technical competencies while delving deep into one or two domains.

Students will learn the basics of programming, robotics and engineering in Year 1 and will then specialise in either robotics or programming in subsequent years. From Y2 – 4, they will continue to be exposed to the intricate web of relationships between the various STEAM domains. The STEAM Collective hopes to hone interdisciplinary thinking by bringing together students with interests in varied STEAM domains as well as through workshops and talks by experts that span the spectrum of STEAM. Students will also be given the opportunity for short internships / project stints with research institutes, defence organisations and even start-ups in their senior years.

While STEAM stands for Science, Technology, Engineering, Arts, Mathematics, it is important to recognise that the whole is more than the sum of its constituents. STEAM is essential within the context of society and can be harnessed to solve a myriad of social, environmental and economic problems and improve the human condition. Hence, there is an emphasis on the idea of “tech for good” and developing leaders with sound values in the areas of STEAM.

Students who are creative with a deep passion or aptitude for robotics, programming and engineering are encouraged to apply. Students who may not have prior experience in robotics or programming but are resilient in the face of challenges and possess a problem-solving mindset are also welcome.

