

## **Information on the International Young Physicists' Tournament (IYPT)**

The IYPT requires its participants to demonstrate the ability to work in teams and to manage uncertainties and complexities. The competencies and skills that students develop through participating in the IYPT is modelled closely to the processes of scientific inquiry and 21st century competencies like critical and inventive thinking and communication, collaboration and information skills.

2 The key challenge for students is not only to conceptualise scientifically sound and robust solutions to the problems, but also to communicate their solutions in ways that are understandable and convincing to the audience. Students are required to respond quickly to defend their own solutions and at the same time critique the solutions from other teams during the 'physics fights'. The students will need to think on their feet and perhaps even re-strategise their defence and offence for the following 'physics fight'.

3 Singapore has been participating in the IYPT since 2010 and we have been winning the Gold medal since 2012. Members of the team representing Singapore at the IYPT are selected from the Singapore Young Physicists' Tournament (SYPT), a local competition modelled after the IYPT.