

PET Rocket® Project

“Students in Fuhua Secondary thoroughly enjoyed the launching of the rockets they made which was the highlight of the event.

The sense of suspense as to which rocket will fall closest to the target kept all the students' interest riveted to the launching area. The excited applause and cheers that accompanied each rocket launched towards the target is testimony that they thoroughly enjoyed themselves while gaining awareness of simple concepts on air pressure, mass and air resistance.”

Mr Sreenivasan Sabapathy, HOD Science, Fuhua Secondary School

“I am always impressed with the level of service provided by SpeedB. The trainers are professional and provide the guidance and support to students who are in the workshop. In addition, they provide the link between the Physics concepts to the making of the PET Rocket® so that students can understand how it all comes together. This helps to spur the interests of students in taking part in the PET Rocket® Competition.”

Mr Paul Ling, TIC PET Rocket 2011, Nan Hua High Sch

“The students generally found the entire programme very engaging especially when they get to see the work of their own hands took off into the sky. The excitement was shown on their faces when they realized that the bottle could actually fly to such great height and distance.

It's a pity that time did not allow them to experiment with how the different amount of water & air within can help propel the bottle even further. The pictures taken were fully utilized in our normal Physics lessons when these students came up to Sec 3. They had great fun seeing themselves enjoying the workshop when they were in Sec 1.”

Mr Tan Kok Chiew, HOD Science, Yuan Ching Secondary School

“SHSS engaged SpeedB Pte Ltd to conduct a PET Rocket® Foundation programme as a post examination activity for the Secondary Two students. The programme was made very easy and simple to follow for the students. The step-by-step construction of the rocket supplemented by physics theories catered to students with higher learning ability as well as the kinaesthetic learners.

It was the first hand experience in launching the rockets that had captured the interest and excitement of the students. Overall, the programme was efficiently executed and the students had enjoyed the experience.”

Mr Lai Kah Kin, TIC PET Rocket 2011, St Hilda's Secondary School

“We believe our students have enjoyed your programme very much. The pacing of the programme was just right and the students were engaged with the hands on activities. The design element incorporated into your programme, as suggested by Charles, worked very well and made our students more engaged in making the rocket.

The launching of the first few rounds of rockets caused quite some excitement. There was cheering and clapping, so much so, that even other staff was wondering what caused the commotion. Our students were quite amazed that their rockets can fly! They were quite excited and couldn't wait for their turn.

I was also very impressed with the professionalism exhibited by your staff. There was a lot of detailed and forward planning which took into account even the smallest of details. Initially, I was a little apprehensive about the engagement of such a large cohort of students, but after the programme started, I was reassured because I could see that the trainers were quite experienced and were capable of handling any situation that arose. The trainers were also quite flexible in acceding to requests made by the school.

All in all, the programme was memorable.”

Mrs Tan Wai Ping, TIC PET Rocket 2011, Henderson Secondary School

“Our school had the PET Rocket® programme on the 25 May 2011 as a Post-Exam activity for the Level Two.

The programme was very well organised and carried out by a group of young, enthusiastic and responsible trainers. Though our school is currently under-going PRIME, the team still managed to give our students great fun and learning experience.

A big thank you to you all!”

Mrs Tan Eng Kiat, TIC PET Rocket 2011, Juying Secondary School

“The PET Rocket® Science Project is truly a very engaging session where students can see Physics come to life!

It takes learning out of the classroom, builds on concepts already learnt by the students, teaches newer concepts for students to assimilate, and immediately allows the students see the theories applied to a fun real life scenario!”

Mr. Tan Weng Seng, Asst. Department Head, Physics, Raffles Institution

“Testimonial to SpeedEd for Pet Rocket® (Parachute) Activity at North Vista Secondary School

I would like to extend my sincere thanks and appreciation to Katherine, to Miss Selene and to all the trainers who have gallantly trained the Secondary One students for the recent PET Rocket® (Parachute) Activity on 29 and 30 March 2010.

On 29 March, the students’ enthusiasm, camaraderie and teamwork as portrait while they were designing the rockets in the science laboratories, augment their eagerness to learn a new skill and to succeed in creating the best rocket. The zest shown set a platform where learning was extended beyond the classroom.

On 30 March, the students waited impatiently for their turn to launch their customized designed rockets. The slight drizzle restricted the launching process but the zeal imbued persisted and the launched of the rockets took place amid laughter and cheers! Students were heard animatedly exclaiming, “I am wet!”, “This activity is fun!” “Could I have another attempt at launching?”

Their cheerful disposition concluded a successful activity- Pet Rocket®!

Thank You.”

Miss Nurzuhailah Ahmad, Science Coordinator, North Vista Secondary School

“It was a good program that allows the student to learn outside classroom and do hands-on activities. Our students truly enjoyed themselves and at the same time were able to learn Science concepts. It’s amazing for them to discover how plastic bottles that we usually just throw away can become rockets that can fly.

We can trust SpeedB to conduct meaningful and interesting workshop.”

Mrs Kris Koh, Teacher-in-charge, Pasir Ris Crest Secondary School

“PET Rocket® programme provides an avenue for students to explore and apply their knowledge and interest in Physics. It is also a fun and enriching experience for them as they develop hands-on skills and learn important life skills and values such as teamwork and perseverance.”

Mr Ow Gan Pin, Teacher-in-charge, Dunearn Secondary School

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“I believe the students had a great time learning how to apply Science and making it come alive!

The lessons were very well planned and thought out. The students were definitely eager to start doing up their Rocket or Pet Cars and start trying them out. Of course, they had to learn some concepts on how to make it work.

I believe that this Pet Rocket Project and competition should be continued for many years to come as it will stir up the interest and passion for Science for many of the secondary school students. I will continue to support this Pet Rocket as long as I am able to do so.”

Mr Paul Ling, Teacher-in-charge, Nan Hua High School

“Excellent hands-on and engaging activities that appeal to both boys and girls. Man has been intrigued by the physics of flight since time immemorial and this programme encapsulates it all.”

Mr Victor Ng, HOD Science, Tampines Secondary School

“T PSS has been in the PET Rocket programme for 4 years and the programme conducted by SpeedB trainers has always engaged and inspired the students to learn more about rocket science.

This is evident as TPSS students have been keenly contesting in the annual National PET Rocket Competition since 2005. The content of the PET Rocket programme has been improving to make it more interesting and fun for the students to participate. TPSS students will definitely look forward for next year's programme.”

Mr Lai Kah Kin, Teacher-in-charge, Tampines Secondary School

“The trainer had done a good job in delivering the package. The Sec 1NT pupils were not easy to handle but your team had gone the extra mile to discipline them when necessary. Such good effort is commendable.”

Mr Tan Kok Chiew, HOD Science, Yuan Ching Secondary School

“It was indeed another enriching experience for my students as well as me in participating once again in this year's Pet Rocket enrichment and thereafter the competition. The long collaboration between my School, Boon Lay Secondary, and Speed Ed has certainly benefited many batches of my pupils and I believe it has inspired many of them to continue in this field of study. Thank you Speed Ed!”

Mrs Sabitha Nasser, Level Head Science, Boon Lay Secondary School

“The students involved in the project were more than thrilled to experience the process of making and launching the rockets.

The teachers who observed the entire project were more than satisfied with the quality of the project and the way it is conducted. They, too, enjoyed the rocket making and launching experience.”

Mr Sharizan Salim, Teacher-in-charge, Swiss Cottage Secondary School

“The workshop is engaging and the trainer interacts well with the students. The students have enjoyed themselves especially during the launching session.”

Mdm Sandra Ong, Teacher-in-charge, Anderson Junior College

“The instructors were friendly and they are able to guide the students to not only make the rockets but also to explain the principle of how the PET rocket works by using the theory of pressure and Newton's Laws of motion.

The students have also expressed to me that they like the workshop and think that the enrichment programme is interesting. I am also very grateful to your company for being accommodating to our requests. Hereby, I would like to commend your company's effort in conducting the workshop.”

Mr Tang Hui Boon, Teacher-in-charge, Compassvale Secondary School

“Thank you for conducting the PET Rocket Project in STC. My students found the project both educational and very engaging. They had loads of fun building and competing against each other in our STC PET Rocket Competition.

We even brought the PET Rockets to our Overseas CIP project as part of the teaching cum enrichment activities for the local kids. Needless to say, they were mesmerised by how everyday household plastic bottles can be converted into rockets using simple scientific principles. Thank You SpeedED for propelling the teaching of Physics to new heights in STC!”

Mr James Wong, Teacher-in-charge, CHIJ St. Theresa's Convent