

# DTSL setting up Hong Kong's first 3D Print Room in Baptist Rainbow Primary School



## Project Overview :

Client :

- Baptist Rainbow Primary School

Client's need :

- Setting up the first 3D Print Room in Hong Kong

Solution :

- DTSL provided an one-stop 3D printing solution for the school

Benefits of DTSL's solution :

- Convenience of our one-stop service
- Professional installation planning and post-sales technical support

Client's benefit :

- Inspire students' creativity
- Developed a new hobby for students
- Improved teaching quality



## Background information:

Baptist Rainbow Primary School was established in 1984. It was Wong Tai Sin's first whole day primary school. Since 1994, the school promoted 'Activity Learning' to innovatively develop the students' creativity.

## Client's Need :

The school would like to use 3D printing as a stimulus to prompt the student's creativity, to let them learn about new technologies, broaden the student's horizon and imagination. The school also wanted the teachers to use 3D printed models to make their lessons more interesting for the students. Furthermore, the school would like students to develop a positive learning attitude through creative learning. Ultimately benefiting the students in further studies and in future career development.



Fig. 1. Rainbow 3D Printing Room

## DTSL's Solution :

The planning and preparation work of the print room were completed in late 2013, and the room were built in early 2014. Various models of 3D printer were installed in the room, including the Velleman and the PP3DP. The print room allow students to learn the whole process of 3D printing

and learn about how the printer worked. There is also an exhibition area for students to display their work, allowing exchange of ideas, which stimulates their interests in 3D model printing.

## DTSL's Service :

DTSL setup Hong Kong's first 3D print room for the School and provided end user support and all rounded post-sales consultation services for the school's teaching staffs and students. Students are now able to design and produce their own 3D models, and teachers are able to create their own teaching tools through 3D printing.

Our technicians also provided basic operation training for the teachers, allowing them to operate the printers with ease to accurately printing their student's designs. We also co-organized the 3D printing creativity incubation program with the school and the AiTLE to further promote 3D printing to other schools in Hong Kong.

## Client's Benefit :

After setting up the 3D print room, students are able to develop their creative mindset. Students feel satisfied after materializing the students' imagination by their own hands. Teachers also used 3D models to demonstrate different concepts with a low cost and high convenience. Principle Chu Tsz Wing pointed out that 3D printing can help to teachers to convey vague concepts. And she noticed her students enjoy exploring 3D printing. She believes 3D printing is effective for interactive learning and is beneficial for the students.



DTSL – Discovery Technologies Limited  
Unit L, 11/F, MG Tower, 133 Hoi Bun Road, Kwun Tong, Kowloon, Hong Kong  
Tel: +852 3160 8443 | Fax: +852 3520 2341  
Email: [info@dtsl.asia](mailto:info@dtsl.asia) | Website: [www.dtsl.asia](http://www.dtsl.asia)