TUEN MUN GOVERNMENT SECONDARY SCHOOL

Programme Plan of Gifted Education 2016/ 2017

Subject Department / Functional Team: Gifted Education

Overall Objective(s):

1. To maintain the "Talent Pool", a comprehensive mechanism, to early identify gifted and potential students;
2. To nurture multiple intelligences through school-based gifted programmes*;
3. To motivate and inspire students to excel in STEM subjects.

*Based on Howard Gardner's Theory, there are nine multiple intelligences listed as follows:

(1) Linguistic
(2) Logical-mathematical
(3) Spatial-visual
(4) Bodily-kinesthetic
(5) Musical
(6) Interpersonal
(7) Intrapersonal
(8) Naturalist
(9) Existential

Strategies	Time scale	Success criteria	Method of evaluation	People responsible	Resources required
1. To maintain the "Talent Pool", a comprehensive mechanism, to early identify gifted and potential students.					
1.1 To continue to maintain the "Talent pool".	Throughout the year	1. Gifted and potential students are nominated by teachers and parents. 2. "Talent pool" is updated at least twice a year. 3. Data from S.1 students are collected and their areas of interest are identified.	- Feedback from teachers and team members	Team members	TA
2. To motivate and inspire students to excel in STEM subjects.					
2.1 To motivate and inspire students to	Throughout the school	1. For senior form students (S.4 – S.5): 50% of the students whose electives are science	- Record of activities	Team members	- Community resources

explore their potential in STEM subjects.	year	participate in at least one of the activities in STEM subjects. 2. For junior form students (S.1 – S.3): at least 10% of them engage in activities of STEM subjects. They can be nominated by teachers or self-recommended. 3. Explorative tours are arranged to stimulate students' development. Example such as Science Explorer organized by HKSTP. 4. To acknowledge the needs of the world, sustainable development is emphasized. About 5% of students join these learning activities. To better integrate learning across subjects, collaboration with different subjects, for instance I.S., is sought.	- Feedback from students and teachers		- Extra-curricular activities and competitions (participation fee and materials): $10000
2.2 To equip students with the skills required in STEM education through class activities, projects and pull-out training programs.	Throughout the school year	1. Pull-out programs in the areas of Science and Mathematics are organized for junior form students after school. 2. 3D-printing workshop is conducted for junior form students. Students participated in the academic year 2015/16 are invited to be tutors in the workshop. 3. 3D printing technique is integrated in class activities so that more students can learn about this most up-to-date technology and attempt to apply it in different situations.	- Record of activities - Questionnaires by students in the projects - Feedback from students, teachers and team members - Evaluation from different projects	Team members And relevant teacher	- 3D-printing: $10000 - Other pull-out programs: $5000