



## Gifted Education Framework for Science

### **THEME:**

- To provide multiple rewarding learning opportunities for students to experience being scientists and study science in the most authentic way

### **FEATURES:**

- Develop ‘structured’ and ‘systematic’ gifted education framework with our through-train primary school (PLKLHT)
- Discover and nurture students’ interests and talents in science since senior primary section
- Design diversified programs covering various disciplines in science to cater for different learning interests of our students
- Incorporate ‘research-based’ learning method for senior secondary students
- Construct ‘Gifted Students Databank’ to study the progressive development path of our students
- Organize cross-discipline gifted education courses to broaden our students’ horizons to learn and think from multiple perspectives
- Compose ‘Gifted Education Committee’ for colleagues from various disciplines to professionally exchange ideas

### **STAGES OF DEVELOPMENT:**

- We differentiate our diversified science gifted education programs into two stages to provide continual development of our students:

#### **Phase I (P. 4 – S. 2)**

- Nurturing participants’ intrinsic motivation & interests for pursuing further learning in science
- Enriching knowledge base and laboratory techniques for participants

#### **Phase II (S. 3 – S. 5)**

- Enriching participants’ fundamental research skills and methods
- Nurturing participants’ problem solving skills to conduct self-directed research projects

### **DIVERSIFIED PROGRAMS:**

- We offer diversified science gifted education programs that are consistent with the three-tier system recommended by the Education Bureau:

#### **Level 1: Whole-class:**

- S.1 – S.3 Biotechnology Curricula
- E-learning on Promoting Effective Learning in Junior Science Curricula
- P.6 – S.1 LHT-LFC Joint School Young Scientists Conference

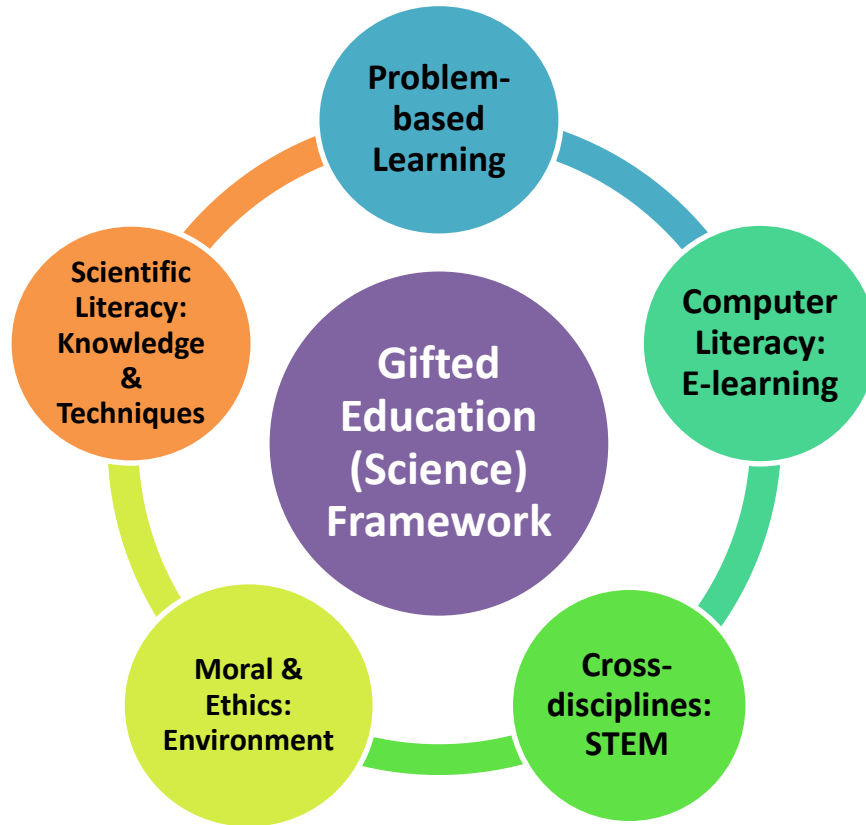
#### **Level 2: Pull-out:**

- P.4 & P.5 Science Summer Camp
- P.6 – S.2 Budding Scientists Program (Biology, Chemistry & Physics)
- S.1 – S.3 Science Club
- S.4 – S.6 Biology Club, Chemistry Club, Physics Club
- Extended Modules in Biology
- Neuroscience Club
- Horseshoe Crab Elite Team

#### **Level 3: Off-site Support:**

- Gifted education courses offered by HKAGE
- Gifted education courses offered by HKUST

**KEY ELEMENTS:**



**2017 – 2018 LFC Gifted Education (Science) Framework (Proposed):**

