

**Annual Programme Proposal for  
DLG – Other Programmes: Gifted Education for the 2024/25 school year**

Domain	Programme	Objective(s)	Targets (No./level/selection)	Duration/Start Date	Deliverables	Teacher i/c	Budget
STEM	Synthetic Biology in the real world	<ul style="list-style-type: none"> <li>• To allow students gain research and development experience through Synthetic Biology case investigations.</li> <li>• To introduce more real world lab experience by teaching lab skills such as PCR, transformation, gel electrophoresis and collecting own data.</li> <li>• To enforce basic chemistry, bio chemistry and molecular biology knowledge through application in experiments</li> <li>• To train and prepare some students to join IGEM competition</li> </ul>	S4 40 S5 20 (nominated by teachers)	1-2 hours per session every week (Jan – May 2025)	One assignment (either reading or writing) for each lesson	Mr NG Sze Ho	IGEM registration fees: \$60,000  Chemicals & Reagents for Labs: \$30,000  Other consumable: \$10,000