

Effective Use of DLG to Offer Diverse Learning Opportunities for Gifted Students



**CHIU SIN HANG GIFTED ED COMM I/C,
STGSS (2007-2016)**

**MAK HAU MING GIFTED ED COMM I/C,
STGSS (2016-2017)**



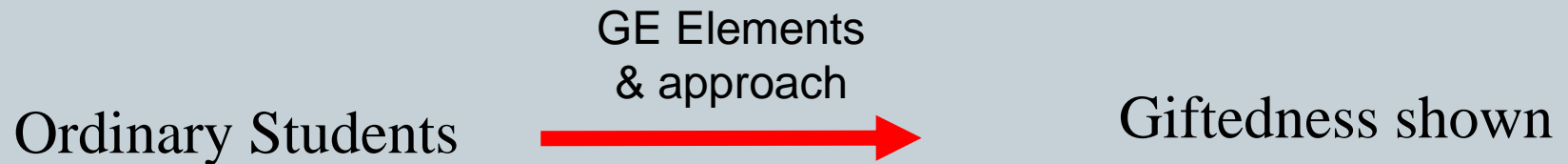
Belief 1: Gifted Education for All

Diagnosis & treat  Full GE Permeation

資優教育普及化



Belief 2: Let All Students Shine



普及教育資優化

Effective Strategies



- GE team: expertise from various KLAs
- Talent pool: M.I. & Multiple Pathway
- Sci-tech Ambassadors: Train the Leaders
- Resources: External resources & networks
- Synergy: Inter-departmental Collaboration
- Communication: Whatsapp, Facebook, Email

Allocation of DLG



- Among different cohorts
- Across different levels
- Supporting Different KLAs
- Through different types of activities
- Based on student-centered principles

The Education Commission Report No. 4 (ECR4) (1990)

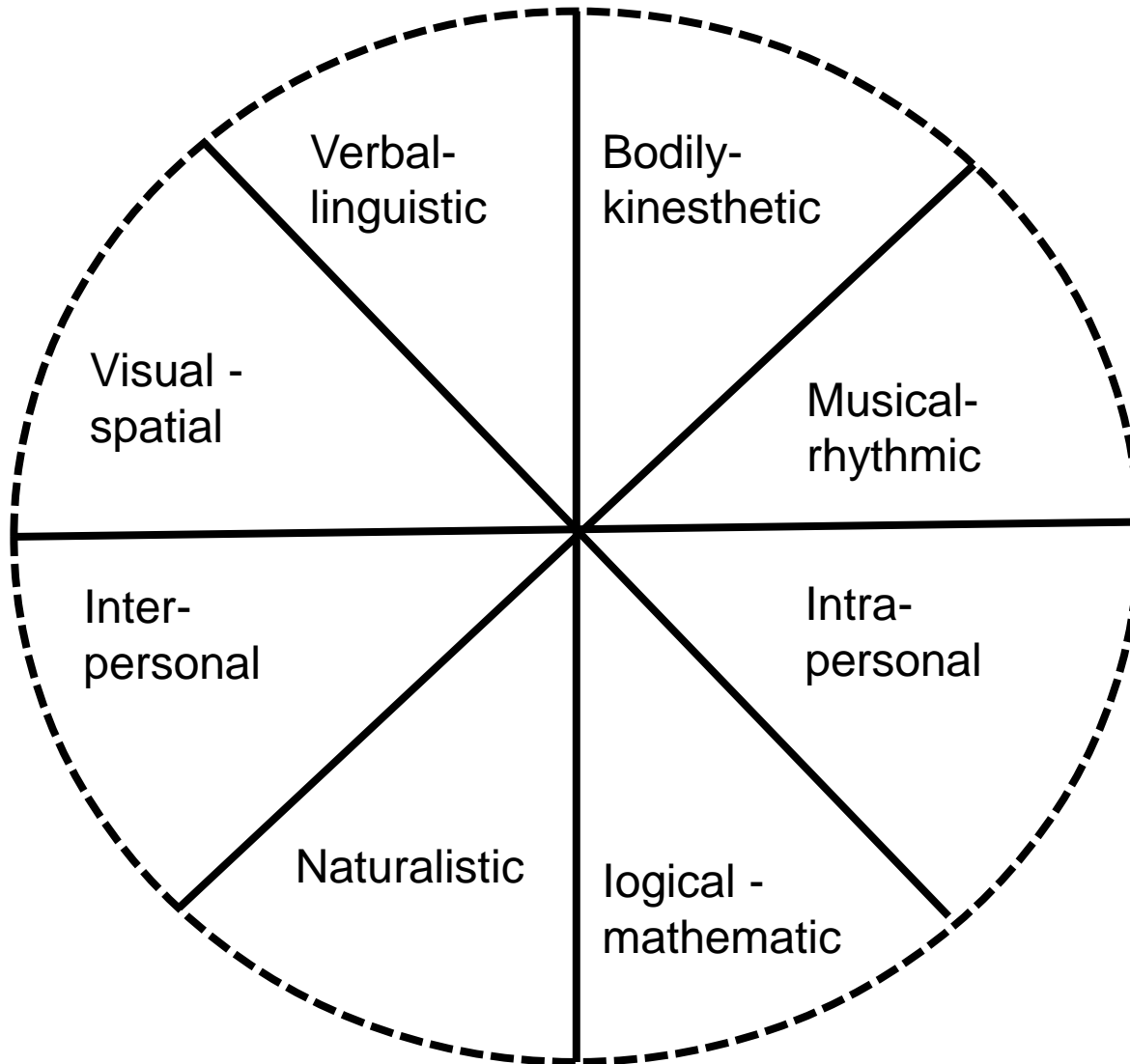
Gifted children are described as children with exceptional achievement or potentials in one or more of the following:

- (a) a high level of measured intelligence;
- (b) specific academic aptitude in a subject area;
- (c) creative thinking;
- (d) superior talent in visual and performing arts;
- (e) natural leadership of peers; and
- (f) psychomotor ability – outstanding performance or ingenuity in athletics, mechanical skills or other areas requiring gross or fine motor coordination.



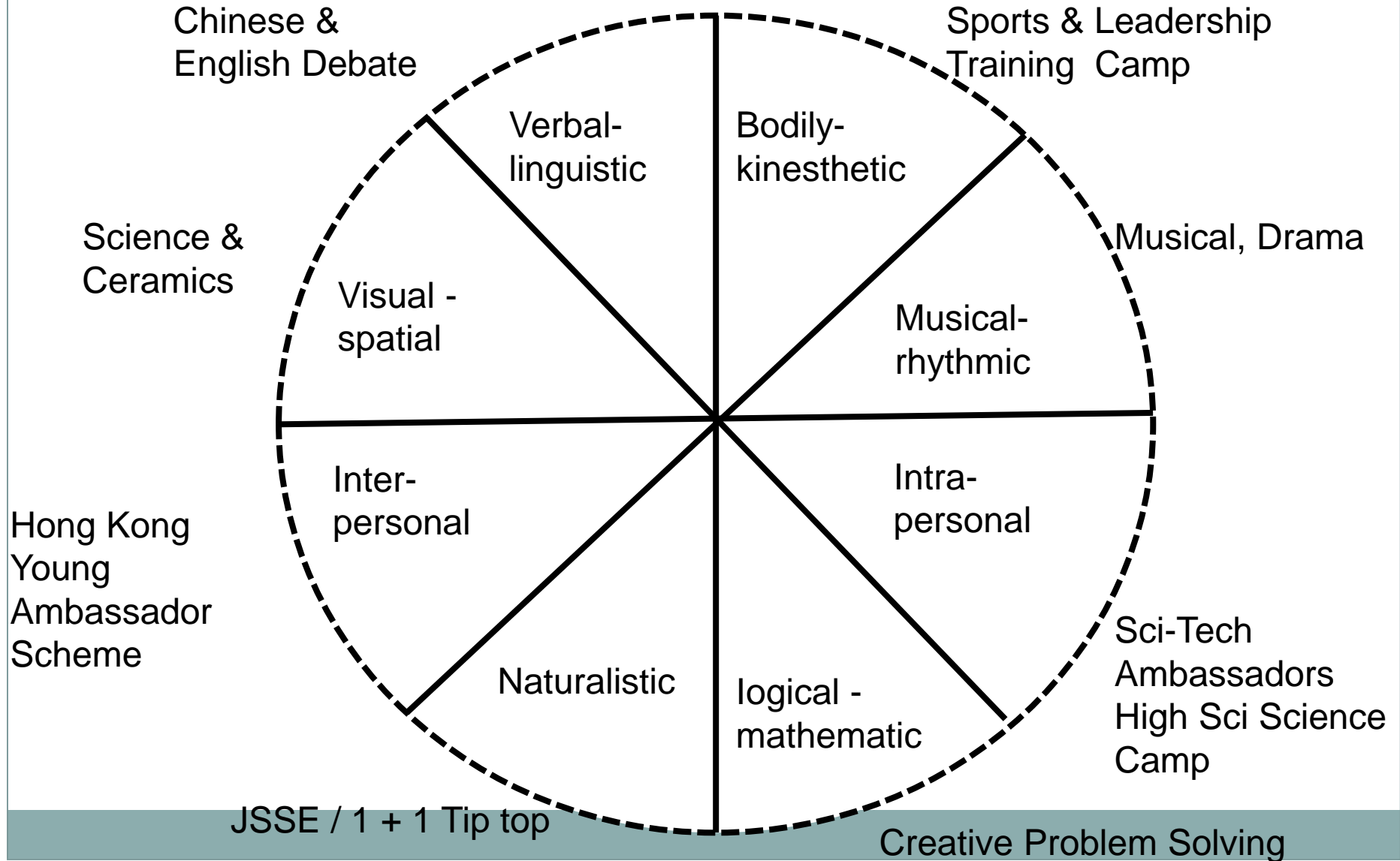
Multiple Intelligences

Howard Gardner (1985, 1999)

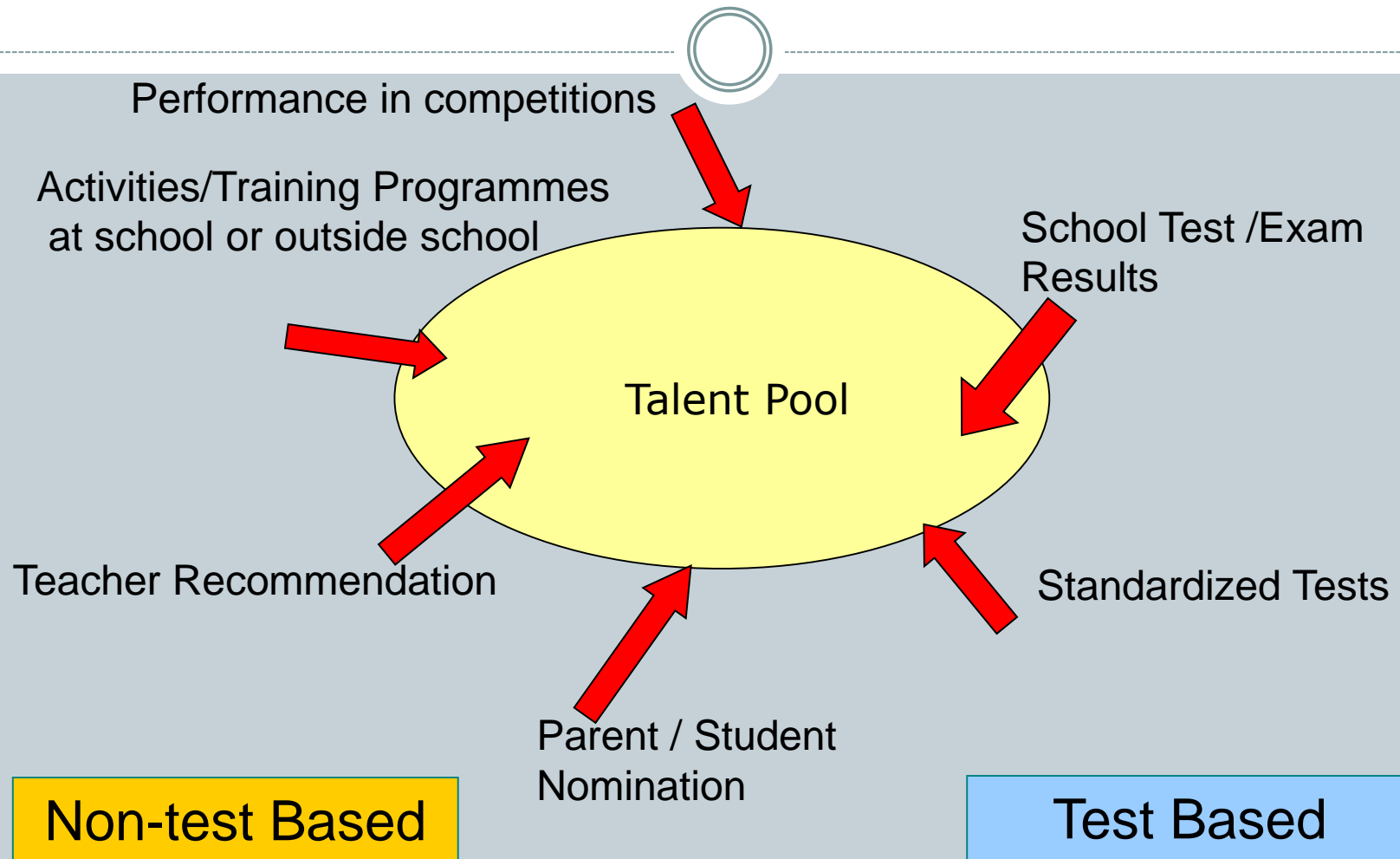


Multiple Intelligences

Howard Gardner (1985, 1999)



Path to enter the Talent Pool



Developing talent pool



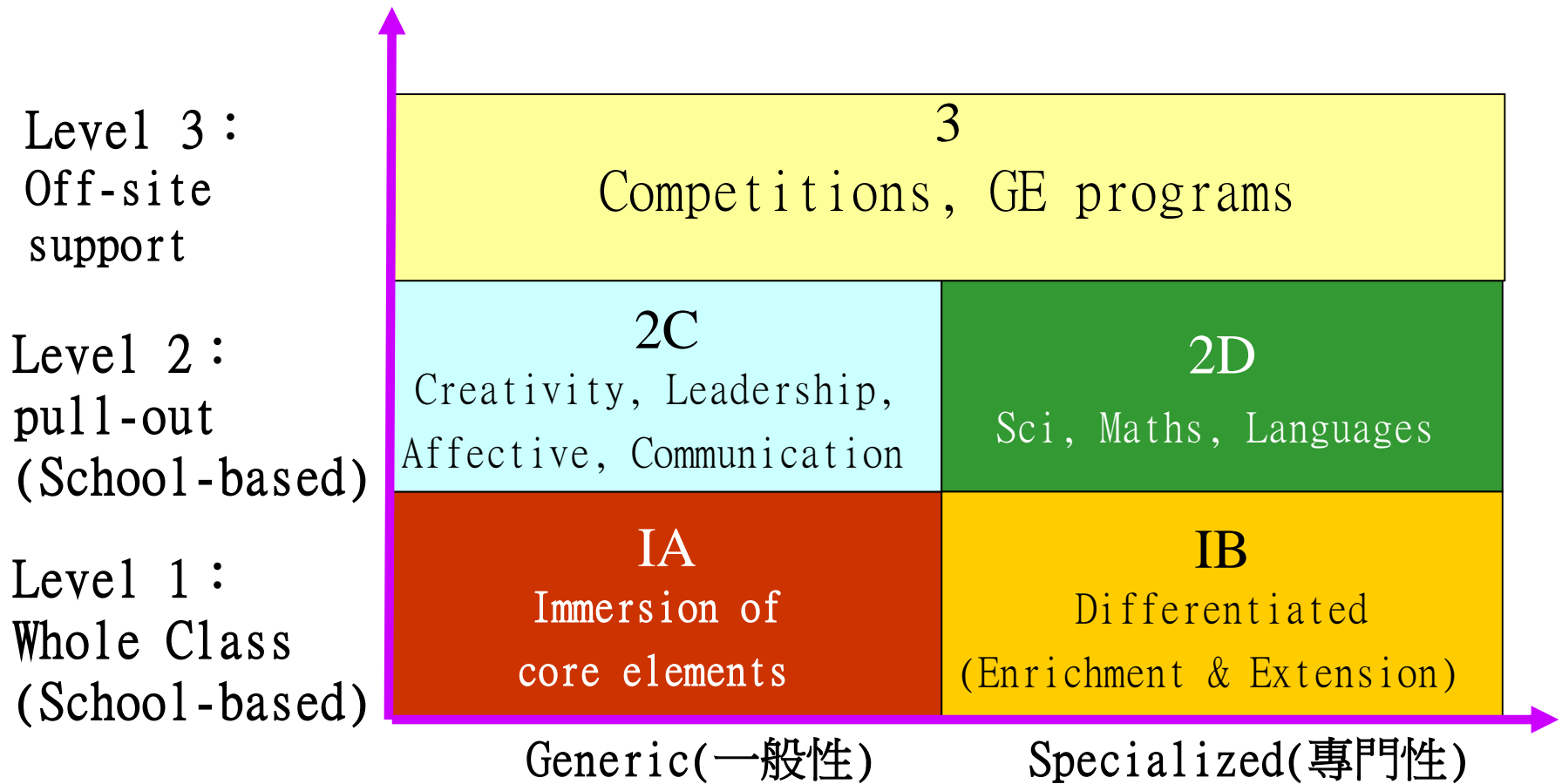
- Target group:

Traditional: 15% = 60 students in S4-S6

GE for all: At least once for each student
in S4 – S6

- Talent pool: ~35% or 150 S4-S6 students

DLG Plan in 3-Tier Operation Mode



Scope:



- Science, Technology, Engineering, Mathematics
- English, Putonghua, Chinese
- Sports, Visual Art
- Creativity, Leadership, Entrepreneurship
- Chinese Medicine, Magic

Types of Activities:



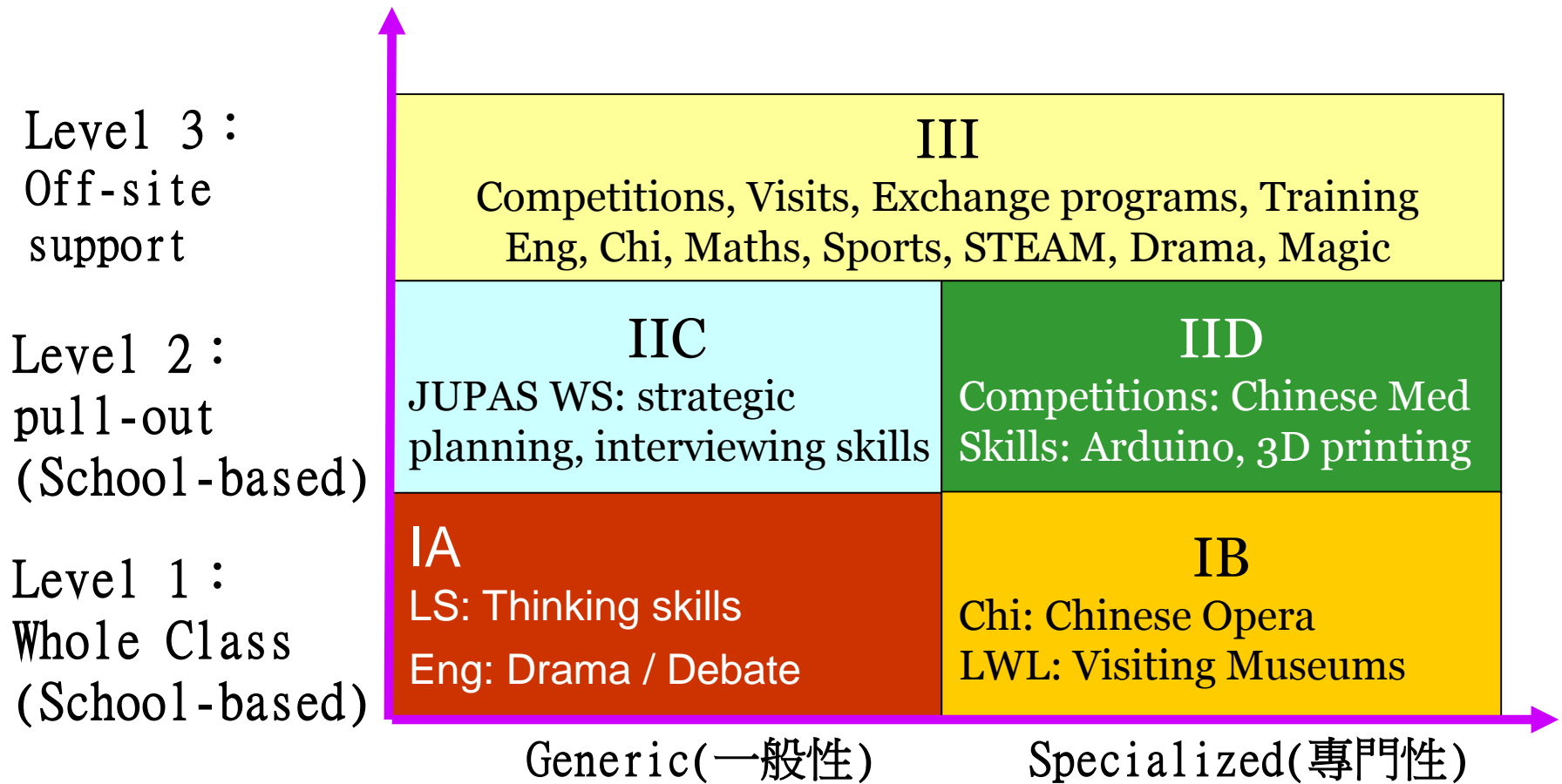
- Competitions
- Visits & Exchanges
- Researches, Internships
- Camping, Field trips
- Services
- Workshops
- Training courses
- Seminars

Usage:



- Program fees
- Competition entry fees
- Transportation fees
- Materials for Competitions / Programs
- Equipment for Competitions / Programs
- Consumable expenses for Visits, Exchanges
- Publications & Exhibitions

DLG Plan in 3-Tier Operation Mode



DLG Plan in 3-Tier Operation Mode

	2013-14	2014-15	2015-16
Level 3 (Off-site)	202	311	223
Level 2 (Pull-out)	221	192	206
Level 1 (Classroom)	240	240	200
Total no. of participants	663	743	629

DLG Plan in 3-Tier Operation Mode

Level 3 (Off-site)	5 inter-school competitions, 2 overseas exchange programs, 2 visits, 1 service, 3 seminars, 6 external programs
Level 2 (Pull-out)	15 school-based training programs: <ul style="list-style-type: none">● S.6 Strategic Thinking and Career Planning Workshops● Inter-house Science and History Competition● Model Solar Boat Design Training Program● Leadership Training and Stargazing Camp● Sports & Leadership Training Camp● International Junior Science Olympiad Hong Kong Training● Astronomy Course, Chinese Medicine Course, Magic Class,● Green Mech Class, Underwater ROV Class, Debating Class
Level 1 (Classroom)	<ul style="list-style-type: none">• Issue-based Learning and Critical Thinking Workshops• InnoCarnival, In-House Seminars,

Content of 3-tier mechanism

Level 1

Subject based application
Learning skills
HOT skills

Level 2

Acceleration
Enrichment
Extension
Cross-curricular

Level 3

Competitions
Exchange
Visit
GE programs

Level 1



Subject	Levels & Topic
Eng	S4: Drama
STEM	S4: InnoCarnival, JSSE
Chem	S4, S5: In-House Chemistry Seminar
VA	S4-S6: Visiting Art Museum
LS	S5: Issue-based Learning and Critical Thinking
LS	S5: Visiting ICAC Headquarters, LegCo
Chi	S5, S6: Chinese Opera Appreciation

Level 2

Acceleration	Extension	Enrichment
STEM Olympiad STEM 奧林匹克	Forensic Science 科學鑑證課程	ROV Workshop 水底機械人製作班
Astronomy 天文課程	Solar Cookers 太陽 爐製作及美食大賽	Strategic Planning 策略思維升學面試
Creative Writing 英文創意寫作課程	Arduino Programming Arduino程式課程	Creative Magic 創意魔術
Putonghua Cert. WS 普通話強化課程	Chemistry Film Production 化學電影拍攝	Chinese Medicine 中醫中藥

Level 3

Competitions 比賽	Programs 課程	Visits/Exchanges 參觀交流
Beijing Youth Science Creation Competition 北京青少年創新科技大賽	1+1 Tip Top Talent Program 1 + 1 科學優才計劃	High School Science Camp 高校科學營
JA Company Program JA營商計劃	HKU Creative Writing 英文創意寫作課程	Tianjin University Exchange 天津大學交流計劃
JSSE 聯校科學展覽	Faraday Challenge Day 法拉底挑戰日	Chinese Medicine Camp 中醫藥訓練營
Sea Level Measurement Device Design Competition 水平面量度器設計比賽	Outward Bound Training 外展訓練計劃	Science & Technology Seedlings 100 Plan 科學青苗100計劃
Australian Chem Quiz 澳洲國家化學測試	HKUST Dual Program 科大雙修計劃	Stand board Training Camp 直立板訓練營
MyToy Design Competition 玩具計設比賽	HKU JSI Course 香港大學JSI 課程	Astronomy Camp 天文營
Solar Boat Challenge 太陽能模型船創作大賽	HKAGE Course 香港資優教育學苑課程	Visiting HKSSPC/STEM Expo 參觀學生科學展覽/STEM博覽