



EMB Reg. No.: 527793
providing

Stanford University's EPGY Hong Kong Administrative and Teaching Center



Stanford University's Education Program for Gifted Youth

Stanford University EPGY courses grow out of over 40 years of extensive research at Stanford University and are offered exclusively at InfoKids in Hong Kong. They allow gifted students to take courses suitable to the level of their ability, regardless of the availability of such courses locally, and in a way that is minimally disruptive to the rest of the student's school experience. With these courses schools can meet the educational needs of their most advanced students without having to hire special instructors to teach courses to small numbers of gifted students.

EPGY courses are structured on computer based learning mode. In Hong Kong a real classroom learning environment is administered at InfoKids to allow greater interaction between students and their tutors and amongst the students themselves. The real classroom is supplemented by a virtual classroom over the internet where more difficult topics receive additional attention and explanation.

Courses offered by InfoKids are:

Mathematics

Primary:	M00A (K-2)	M00B (3-4)	M00C (5-6)
Secondary:	M00d (7-8)	M012 (Honors Intermediate Algebra)	M011 (Honors Beginning Algebra)
	M015 (Honors Geometry)	M013 (Honors Precalculus)	M040-42* AP Calculus A, B, C

Physics

P010 (Introductory Physics)
P051*AP Mechanics P053* AP Electricity & Magnetism

Writing

Expository Writing (W09, W10, W11, E001*)
Grammar (EG20, LAW)

Computer Science C11 (Intro to C Programming) C015 (Java programming)

for high ability students in **elementary, middle** and **high** schools

Students who score within the top 5% of their grade will be eligible to take a Stanford Aptitude Test at InfoKids the results of which will be used as a yardstick for admission.

*Advanced Placement-level courses

University-level Courses: (Direct tuition by Stanford University EPGY's tutors.)

Course details at www.infokids.com.hk/epgy/courses.html.

Linear Algebra; Multivariable Calculus; Differential Equations; Complex Analysis; Theory of Numbers; Modern Algebra; Partial Analysis; Partial Differential Equations; Point-set Topology, Number Theory; University Logic; Optics; Thermodynamics; Modern Physics . . .

The EPGY Courses

EPGY courses use state-of-the-art computer based multimedia technology. The software presents lectures consisting of digitized sound and synchronized graphics that appear on-screen in the manner in which a teacher would present material in class. In Hong Kong, lectures will also be delivered in the Chinese language to assist in understanding.

Lectures are followed by on-line computer exercises, which range from quizzes, in which students answer questions, to interactive expositions in which students are led through detailed material step by step while being asked questions about it. Mathematics courses also include derivation exercises, in which students construct proofs within a symbolic computation environment. The EPGY software analyzes each student's results on these exercises and requires that the student display mastery of the subject before advancing in the course. By using sophisticated data collection and analysis techniques via email and the internet, the software allows instructors to keep detailed records of the individual progress of each student.

All EPGY courses include elements away from the computer. In the mathematics and physics courses students are required to complete exercises from an accompanying textbook and to take regular off-line chapter examinations. The writing courses include substantial off-line reading and essay writing.

EPGY courses are designed with gifted students in mind. Students are never forced to sit through exposition of material that they already understand. Moreover, courses are individualized so that fast learners can proceed quickly through material while slower learners will receive additional instruction.

The Virtual Classroom

The Virtual classroom is a tutorial session which provides a live interactive environment in which students and their InfoKids / Stanford instructor can talk to each other and write on a common whiteboard via the internet. In the virtual classroom students have a chance to ask their own questions on concepts and to hear what other students have to say in addition to discussion and explanation of more difficult topics.

Course Credit

Students who complete EPGY courses at InfoKids will receive a certificate jointly signed by InfoKids and EPGY. EPGY instructors will work with InfoKids instructors to determine grades for each student. For courses at the university-level, EPGY instructors shall then be providing direct instructions via the virtual classroom and students upon completion of courses receive a transcript from the Continuing Studies Program at Stanford University whereby acquired credits will be applied towards undergraduate studies at Stanford University.

Questions can be directed at InfoKids 2504 2228

Website: www.infokids.com.hk Email: epgy@infokids.com.hk Fax: 2504 2669

InfoKids: (Hong Kong Center) 6/F Catic Plaza, 8 Causeway Road, Causeway Bay, Hong Kong.

(Kowloon Center) 2/F Fortune Court, 27-31 Tai Nan Street, Mong Kok, Kowloon

