Gateway Education Laboratory

The Gateway Education Laboratory (GE Lab) is committed to assisting over 200 GE courses pursuing students’ innovative ideas and academic excellence to achieve enriching education through discovery with advanced equipment and professional consultation services. Fully equipped with various kinds of machines and equipment, the GE Lab supports new forms of innovative teaching and learning by taking advantage of the more convenience and greater accessibility of facilities:

Key Lab Facilities:
- Active Learning Space
- Arduino Library
- 3D Printers
- 3D Scanners
- 3D CAD Software
- Drones
- Audio and Video Production Equipment
- Laser Cutting & Engraving System
- Panopto Video Capturing System
- Robots
- Scanning Electron Microscope
- Virtual Reality System

Active Learning Space

Active learning space is a student-centred interactive learning space that are designed to encourage student collaboration, enhancing engagement to carry out group work, interactive learning and hands-on activities.

Please visit http://www.cityu.edu.hk/edge/ge/lab.htm for details.
3D Printers

3D printing technology has been identified as one of the emerging technologies that is going to have a major influence in manufacturing. The 3D printer serves as a key visualization equipment to realise students’ innovative ideas.

- **Stratasys Fortus 400mc**
- **Mcor IRIS HD**

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3D Scanners

**Structure Sensor / Next Engine HD / HP 3D Structured Pro S3**

3D Scanner captures a digital 3D model of an object.
Student can modify and create new design by re-engineering.

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GE Lab Equipment

Scanning Electron Microscope

JEOL JCM-6000
The user-friendly microscope allows students to examine the “nano” or “micro” world with magnification up to x60,000.

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