

## Physics Enhancement Programme for Gifted Students (2016-2017)

Hong Kong University of Science and Technology (HKUST) and Hong Kong Baptist University (HKBU)

### Phase 2 – Laboratory Session (8 Sessions)

Session	Date	Time	Contents	Venue
1	7 Jan 2017	9:30-12:30	Lab 1. Resonance and Wireless Energy Transfer	OEE802 (HKBU)
2		14:00-17:00	<b>Selection Test 1</b>	TBC (HKBU)
3	14 Jan 2017	9:30-12:30	Lab 2. Characterization of Solar Cell	OEE802 (HKBU)
4		14:00-17:00	<b>Selection Test 2</b>	TBC (HKBU)
5	21 Jan 2017	9:30-12:30	Solution and paper checking of Selection Tests 1 and 2	TBC (HKBU)
	3 Feb 2017	TBC	<b>Pan Pearl Physics Olympiad</b>	TBC
		TBC	<b>Pan Pearl Physics Olympiad</b>	TBC
6	11 Feb 2017	9:30-12:30	Lab 3. Capacitance and Electrostatic Energy	TBC (HKUST)
7		14:00-17:00	<b>Selection Test 3</b>	TBC (HKUST)
8	18 Feb 2017	9:30-12:30	Lab 4. Faraday's Law of Induction	TBC
9		14:00-17:00	<b>Selection Test 4</b>	TBC
10	25 Feb 2017	TBC	Solution and paper checking of Selection Tests 3, 4 and Pan Pearl	TBC

Last Update: 19 December 2016

PEP Phase II Training Rules:

1. Phase II students who have 70% or above attendance rate will receive a certificate from the HKAGE. For attendance and leave policy, please check [ [http://www.hkage.org.hk/files/students/important-information/Policies\\_and\\_Forms/20151001\\_Attendance%20and%20Leave%20Policy\\_E.pdf](http://www.hkage.org.hk/files/students/important-information/Policies_and_Forms/20151001_Attendance%20and%20Leave%20Policy_E.pdf) ]
2. Phase II students who have been promoted to Phase II previously can choose to attend the lab sessions and tutorials at their own discretion. They must notify HKBU and HKUST in advance with evidence (e.g HKAGE learning record) showing that they were in Phase II before. However, they still need to attend all the selection tests.
3. Phase II students must attend all the Selection Tests and Pan Pearl Physics Olympiad to be qualified for Phase III. Zero mark will be given for those whose are absent from selection test(s).
4. The assessment of phase II consists of
  - a. Selection Test 1
  - b. Selection Test 2
  - c. Selection Test 3
  - d. Selection Test 4
  - e. Pan Pearl Paper 1
  - f. Pan Pearl Paper 2All tests weight equally.
5. Promotion to Phase III: Top 8 students based on the total score of the 6 selection tests. Phase III students are qualified for the Hong Kong team competing in APhO 2017.
6. Only the following students will be invited to take part in the tests for selecting the Hong Kong team to compete in IPhO 2017:
  - (a) The 8 students with best performances in APhO 2016 and
  - (b) The team members of APhO 2017.

(For the latest information, please check at <http://physics.hkbu.edu.hk/pep/pep2016-2017/> and <http://hkpho.phys.ust.hk>.)