

# **Trends in International Mathematics and Science Study (TIMSS) 2019**

## **in Hong Kong**

### **Summary of Schedule**

The Study contains 6 stages:

1. Invitation (Starting in December, 2018)
2. Collecting Class Information from Schools
3. Collecting Student Information of the Sampled Class
4. Collecting Computer Equipment Information & Conducting Computer Test
5. Conducting the Test (From April to June, 2019)
6. Report Release

### **1<sup>st</sup> stage – Inviting schools**

- Random sampling of Hong Kong secondary schools is done by IEA (except for special schools). Invitation letters will be sent to the sampled schools inviting them to participate in this important international research study.

### **2<sup>nd</sup> stage –Collecting Class Information from Schools**

- School needs to list out the class information for ALL Secondary 2 classes in the Class Listing Form and send it back to Research Team. The information obtained will then be entered into the software designed by IEA for class sampling. Two classes will be sampled and take the eTIMSS and paperTIMSS test separately.

### **3<sup>rd</sup> stage - Collecting Student Information of the Sampled Class**

- The participating school will receive a Student-Teacher Linkage Form. School please complete the form, and send back to the Research Team. Upon receiving the form, the Research Team will prepare the test materials for the sampled school.
  - Student-Teacher Linkage Form – School has to list out the student information of the sampled classes. If there are students with special educational needs (SEN) in the sampled class, teachers may decide if they are suitable to take the test. For students who are not suitable for doing the test, exclusion can be marked in the form. For students who have normal learning ability but with special needs, please do not hesitate to discuss with the Research Team about the arrangement for assisting those students to take the Test.
- Date of testing should be conducted within the period of April 2019 and June 2019 and it can be set by school.

### **4<sup>th</sup> stage – Collecting Computer Equipment Information & Conducting Computer Test**

- In order to arrange for the eTIMSS, participating school please provide the information of computer facilities including no. of computer room(s), computers and tablets. The Research Team will pay a school visit before the test, in order to test the computers and explain the procedure of the Test. The date of school visit can be set by school.
- If school chooses not to have the computer test in advance, please ask school technical staff to arrange for the computer test to ensure the normal operation of the software. If school chooses to use tablets, please help install the eTIMSS player into the tablets before testing to ensure that the Test will be conducted smoothly. If you need any assistance, please feel free to contact the Research Team.

### **5<sup>th</sup> stage – Conducting the Test**

- TIMSS Test consists of two parts – Achievement Test & Student Questionnaire:
  - The testing of eTIMSS and paperTIMSS is suggested to take place on the same day (or two different days). Both eTIMSS and paperTIMSS consist of two sections and each section takes 50 minutes. Please note that two sections have to be conducted on the same day, with a break between the sections. Please note that the length of the break can be decided by school but it should not exceed 30 minutes.
  - The Student Questionnaire session should be conducted after the Test on the same day and it takes around 20-30 minutes. If school cannot arrange the time for this part, please arrange for the questionnaire session on another day within the same week. The three sections, including the time for administration and preparation, take around 150 minutes.
- The Research Team will send the test materials, including the test administration guidelines, achievement booklets, questionnaires, and different types of record sheets to schools on or before the date of testing. After collecting all completed questionnaires and record sheets, please feel free to contact the Research Team to take back all the materials.

### **6<sup>th</sup> stage –Report Release**

- Participating countries and regions will submit the data to IEA. After processing and analyzing the data, IEA will announce the study results and release the international reports. Each participating school will receive a summary report specific to the school for reference.