

7th February, 2017

Dear Parents of S2 Students,

S2 Science – Summative Assessments for Electricity and Circuits
15th and 17th February, 2017

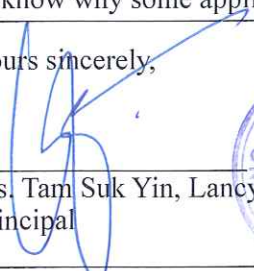
We will finish teaching the above topic this week. The assessment of Knowledge, Understanding and Problem Solving skills will be a written paper on 15th February. Please refer to Learning Targets below for revision. The assessment of Practical and Communication skills will be on 17th February, Friday. Students will need to revise their work on series & parallel circuits and on Electrostatics. Teachers will publish the raw marks for these assessments on Gibbon, during the week of 20th February.

The key topics and learning targets to be assessed are listed below. It is important students do not rely on memorization and are prepared to use and apply their knowledge to answer problem-solving questions.

Learning Targets for This Topic (Text book pages are shown.)

Learning Targets	Chapter	Textbook
I understand why some objects can have an electrostatic charge	See classwork notes.	
I understand the difference between a closed and open circuit.	Ch. 8.1	p. 82 – 83
I can explain why some materials conduct electricity and others do not.	Ch. 8.2	p. 84 – 85
I know what happens to electrons when a current flows in a circuit.	Ch. 8.3	p. 88 – 90
I know how to draw circuit diagrams using the correct symbols.	Ch. 8.4	p. 108 – 113
I can place an ammeter in a simple, series and parallel circuit to measure the current in different places.	Ch. 8.3	p. 90 – 92
I can place a voltmeter in a circuit to measure the voltage	Ch. 8.3	p. 93 – 96
I can explain why the current in a series circuit is always the same.	Ch. 8.5	p. 114– 115
I can explain why the current in parallel circuits is not always the same.	Ch. 8.5	p. 116 – 118
I can explain the differences between parallel and series circuits.	Ch. 8.5	p. 114, 116
I can explain how resistance can change the current in a circuit.	Ch. 8.3	p. 98 – 99
I know why the heating effect of a current can be useful.	Ch. 8.6	p. 119 – 121
I can identify and explain why we need fuses and circuit breakers to help make electricity safe.	Ch. 8.6	p. 121 – 124
I can correctly wire a 3-pin plug.	Ch. 8.6	p. 125 – 128
I know why some appliances must have an earth wire and why some do not.	Ch. 8.6	p. 129 – 130

Yours sincerely,



Ms. Tam Suk Yin, Lancy
Principal



Reply Slip – S2 Science – Summative Assessments for Electricity and Circuits

To: Ms. Tam, Principal,

Thank you for the circular on the above, the content of which is noted.

Name of Student: _____ Signature of Parent: _____

Class (Class No.): _____ () Name of Parent: _____

Date: _____ Contact No.: _____

Please return the reply slip to your child's Science Teacher on or before 13th February, 2017.