

Queensway Secondary School

Lesson Guide for (Class 3E Physics)

Date: 20th Oct 2017

Estimated Time ☺ : 1 hour 15 minutes

General Office: 64741421 (Main)

S/No	Time	Website
1	1045-1200	<p>Log onto McOnline for the Physics lesson package to access the following websites:</p> <ol style="list-style-type: none"> <p>http://article.sciencepublishinggroup.com/pdf/10.11648.j.ijema.20150302.15.pdf</p> <p>Title: Review of the Causes, Effects and Mitigation of Urban Heating Effect Description: Summary of the different causes, effects and mitigation measures for Urban Heating **** Must Read (estimated time – 25 mins)</p> <p>https://www.epa.gov/heat-islands</p> <p>Title: Heat Island Effect Description: Learn all about the various aspects of Urban Heating Effect from the United States Environmental Protection Agency ****Must Read (estimated time – 20 mins)</p> <p>http://www.channelnewsasia.com/news/singapore/adequate-planning-key-to-mitigating-urban-heat-island-effect-teo-8005380</p> <p>Title: Adequate planning key to mitigating 'urban heat island' effect: Teo Ho Pin Description: Singapore Government signals move to solve issues related to Urban Heating ****Optional</p> <p>http://anzasca.net/wp-content/uploads/2014/08/ANZAScA2007_RPriyadarsini_NH-Wong.pdf</p> <p>Title: An Investigation of the Urban Heat Island of Singapore Description: Local Research into Urban Heating Effect in Singapore ****Optional</p>

Get ready the following

- Devices with internet access
- Physics notes on “Transfer of Thermal Energy”

Instruction

1. Log onto McOnline and click on the assigned Physics Lesson (Urban Heating Effect)
2. Read the web sources for information on “Urban Heating Effect”
3. Complete and submit the report on the explanation of the physical causes of Urban Heating based on conduction, convection, radiation and cooling by evaporation

Assignment

1. Download the uncompleted report (from Mconline) on “Physical Causes of Urban

Heating”

2. Complete the report by explaining the physical causes of Urban Heating based on conduction, convection, radiation and cooling by evaporation.
3. Submit the soft copy of the completed report online.

Follow up

- Teacher will follow up with the work submitted at the next lesson during 3E Headstart programme.