

Abstract

In our school (Munsang College), we had renovated a Butterfly Garden for butterfly conservation in Hong Kong. As we all know, butterflies need to live in an environment with a small range of moderate temperature. Thus, we would like to make a butterfly vivarium to provide an advisable ecological environment for the butterflies to grow. In order to provide a suitable temperature in the vivarium, we would like to use a cooling system to regulate the temperature inside. Therefore, we would like to use the two common cooling systems, thermoelectric cooling module and water cooling, in this investigation. We would find out if thermoelectric cooling module or water cooling is more feasible to accomplish this goal.