HWA CHONG INSTITUTION (HIGH SCHOOL)

PROJECTS Evaluation 2017

CATEGORY 1 : EXPERIMENTAL RESEARCH (Final evaluation, Upper Sec) **Group ID: _____**

Assessor's name: _____ **Total score = _____ / 100**

Title of Project : _____

Remarks:	**Score (write score value to be awarded in the spaces provided)**		
1. Objectives and Hypothesis (Score X 1 = _____)	**Poor (1)**	**Fair (2-3)**	**Good (4-5)**
• Gives a brief **introduction** to research topic (rationale, background etc) with in-text citation. References are cited in APA format. • **Purposes/Objectives** of the experiment is clearly identified and stated. • **Hypothesis(es) are testable** and achievable.			
2. Materials and methods (Score X 2 = _____)	**Poor (1-4)**	**Fair (5-7)**	**Good (8-10)**
• Materials are clearly and **accurately described.** • **Control** if relevant is stated and **explained for its relevance.** • Independent, dependent and controlled **variables** are clearly stated. • Steps listed are clear and **easy to follow.** • Protocol described with **appropriate details.** • **No major flaw in experimental design.** • Experiment design shows sufficient **depth and rigour.** • Shows some **creativity in manipulation** of the equipment/known procedure.			
3. Data analysis (Score X 3 = _____)	**Poor (1-4)**	**Fair (5-7)**	**Good (8-10)**
• **Sufficient** and **relevant data** are collected to support interpretation and conclusions. • Data is presented in an **appropriate format** (eg charts, graphs, photos, tables). • **Descriptive statistics** are used (mean and standard error are indicated) for quantitative data. For qualitative data, images and other evidences need to be shown and discussed. • **Statistically relevant tests** are used as appropriate. • **Valid conclusion** is inferred from data. • Takes into account **any limitations** imposed by method in the protocol.			
4. Discussion/Conclusion (Score X 2 = _____)	**Poor (1-4)**	**Fair (5-7)**	**Good (8-10)**
• **Strong** and **valid inferences** from data to support/reject hypothesis. Discuss clearly reasons for failure to obtain intended results for groups with negative data. • Insightful in the **interpretation** of data. • Shows **sufficient background** reading that is infused through the discussion of results. • Gives a **conclusion** which summarises all the findings. • Suggests **changes and possibilities** for further study. • Suggests **applications of findings** where possible.			
5. Presentation (Score X 1.5 = _____)	**Poor (1-4)**	**Fair (5-7)**	**Good (8-10)**
• Content is **well organised.** • Speak clearly and confidently in **standard English** all the time. • Able to **hold judges attention** and **sustain/provoke audience's interest.** • All members who are present participate in the oral presentation.			
6. Response (Score X 1 = _____)	**Poor (1-4)**	**Fair (5-7)**	**Good (8-10)**
• Attempts to **answer all queries** confidently. • **Well thought out and elaborated answers.**			