GUIDELINES FOR SCIENCE COMPETITION

# ETHICS STATEMENT

Scientific fraud and misconduct are not condoned at any level of research or competition. Plagiarism, use or presentation of other researcher's work as one's own, forgery of approval signatures and fabrication or falsification of data or approval dates will not be tolerated. It is compulsory that every participant have a signed copy of the plagiarism pledge on their display board.

# ANIMAL EXPERIMENTATION

#### CAUTION

We will not accept any project that may have affected an animal's health or well-being by causing stress, discomfort, pain or death. Note that the display of live animals or birds will not be allowed as part of a project. However, projects addressing the correct treatment of animals or conservation methods are welcome. For more information visit Eskom Expo (Mr Parthy Chetty and Prof. Ian Jandress, 2010).

MINOR INFRINGEMENTS

* Forgetting to sign the declaration of originality. Sign immediately.
* Displaying photographs without permission. Get permission or remove photographs.
* Naming people or products without permission. Remove names and given numbers instead, e.g. brand 1, brand 2, etc.

MAJOR INFRINGEMENTS

* Any project that indicates animal or human experimentation.
* Bringing alcohol, medicines, drugs or any illegal substances to the Expo and displaying them.
* Belittling any person or named product in the project.
* Food not sealed in transparent containers.

# FORMAT OF A RESEARCH INVESTIGATION REPORT

Abstract

A summary of the essential research findings and conclusions are stated in not more than 60 words.

Title page

The title page consists of the research title, the author's name and the report completion date.

Introduction

It starts with a statement/investigative question that make the purpose of the research clear. Sufficient information is provided to establish the importance of the research.

Report of the research project

Research findings are presented as graphs and in the student's own words and there is reference to finer detail in tables as part of the appendices. There is no "cut" and "paste". Scientific terms and concepts are properly used.

Conclusion

The most important research findings are re-stated. The student's final thoughts, conclusions and deductions about the research topic are stated.

Bibliography

A single page bibliography accompanies the research project, internet we sites are quoted properly.

Appendix

All relevant diagrams, tables and pictures, also acknowledgements of people and institutions who assisted; a journal/diary/timeline/, and a concept map or flow diagram what was used to plan the research.

# DECIDING ON A TOPIC

1. Research an interesting topic in one of your school subjects and allow it to develop into a project.
2. Be aware of things that happen in your immediate environment and investigate them thoroughly.
3. Read newspapers and investigate a relevant topic.
4. Identify a need in the market to modify a current product or to design a new one.