

# **Hong Kong Odyssey of the Mind Programme**

## **2010-11 Long-term Problem Synopses**

The synopses of the four long-term problems selected for the 2011 Hong Kong Odyssey of the Mind Competitions are as follows:

### **Problem #1: <Extreme Mouse Mobiles>**

This problem requires teams to design, build, and run vehicles that use mousetraps as their only source of energy. The Mouse Mobiles will travel a course that has segments with different challenges. The team can choose from assorted tasks such as driving through a tunnel, raising a flag, hitting a target, changing direction, making a delivery, and will also perform two team-created challenges. The running of the Mouse Mobiles will be presented in a performance with a team-created theme.

**Division III Cost limit: HK\$1131**

### **Problem #2: <As Good as Gold...berg >**

Teams will present an uncomplicated existing item that is used in a simple and effective way to complete a real life task. The teams will also create their own solution, a device made out of an unnecessarily complex series of components that will perform the same task as the existing item. The performance will include an inventor character and a marketing plan/sales pitch for its creation.

**Division II Cost limit: HK\$1131**

### **Problem #3: <Classics...Le Tour Guide>**

Teams will create and present an original humorous performance where a classical character acts as a Tour Guide. The tour will make three stops including one that will be a team-created location. During the tour an inanimate object will show signs of life, the Tour Guide will give the wrong explanation about something, and will give a creative explanation about why it is important to guard and secure a worthless item.

**Division I, II and III Cost limit: HK\$975**

### **Problem #4: <Unhinged Structure>**

The problem is to design and build a solution using only balsa wood and glue that folds into the team's structure without coming apart. The team may use material other than balsa wood and glue to serve as a hinge. The team will test its "folded" structure by placing as much weight as possible on it during a performance that also includes three different objects that change appearance by being folded or unfolded.

**Division III Cost limit: HK\$1131**