**Guardians of BB　BB保衛隊**

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| Name 姓名 |  |  |
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| **SCIENCE**  **科學** | |  |  |  |  | | --- | --- | --- | --- | | Why do the small parts regulations on toy safety strictly apply to children under three years old?  為甚麼三歲或以下兒童接觸的玩具及兒童產品要有嚴格的大小限制？ | | | | | d:\data\Downloads\STEAM Guardian of BB -PPT redrawn\P9.jpg | Higher risk of choking 窒息風險高 |  | Lack of self-care ability and  visual acuity  欠缺自理能力及 良好視覺功能 | |
| **TECHNOLOGY**  **科技** | |  |  | | --- | --- | | Why are there Decibel (A) and Decibel (C) in sound testing?  為甚麼聲音測試要分別測試分貝(A)和分貝(C)？ | | | Simulate two scenarios that can harm human hearing ability  模擬兩種可破壞聽覺細胞的情況 | Decibel (A) is the ISO standard for sound testing, while Decibel (C) is the BSI standard for sound testing.  分貝(A)是ISO的聲音測試標準； 而分貝(C)是BSI的聲音測試標準 | |
| **ENGINEERING**  **工程** | |  |  |  | | --- | --- | --- | | Which of the following properties of a toy will not be affected the results of an impact or compression test?衝擊試驗或壓力試驗的結果是不會受哪一種材質影響？ | | | | Image result for Cylinder | Image result for density | Image result for weight | | Shape 形狀 | Density密度 | Weight 重量 | |
| **ARTS**  **藝術** | |  |  |  |  | | --- | --- | --- | --- | | Which equipment can you use to align the wall art? 你可用甚麼儀器將壁畫排列整齊? | | | | | 【aife life】雷射水平儀 / 紅外線水平尺 / 90度直角地線儀 / 標線器 / 墨線 / 激光投線儀 / 基準線 /  / 土木室內建築工程師測量工具 / 丈量水平儀 / 面積體積 / 雷射捲尺 / 非bosch博世 / 五金電工裝潢 / 贈品 / 禮品 0 | Laser line level 電射水平儀 |  | Chalk line 墨線 | |
| **MATHEMATICS**  **數學** | |  |  | | --- | --- | | If the discharged bullet of an air gun weighs 0.2 (g) and it is traveling at a velocity of 130 (m/s), does the air gun compile with the laws of Hong Kong?  假如氣槍發出的子彈重 0.2 (g) ，飛行時速有130 (m/s)，此氣槍是否合乎香港法律要求？ | | | Legal, 2.0J 合法，少於或等於兩焦耳 | Illegal, >2.0J 不合法，多於兩焦耳 | |
| **Challenge**  **挑戰** | |  |  | | --- | --- | | According to the HKTDC, which testing service(s) in the private sector had the largest market share in 2017?　根據香港貿易發展局資料，哪一項私人測試服務擁有2017年最大的市場佔有率？ | | | Textiles, Clothing and Footwear  紡織品、衣服及鞋履 | Electrical products and telecommunications equipment 電子產品及電訊設備 | | Toy and Games 玩具和遊戲 | Construction materials 建築材料+ | | Medical testing 醫學 / 醫療化驗 |  | |