**Balloon X Cumbria Project**

**AGENDA**

**MEETING NO. 1 :**

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| **Date & time of meeting** | | Monday 1 June |
| **Agenda** | |  |
| **Chairperson**  **Minute Taker** | | Jonathan  Penny |
| **1** | **Discussion of the project** | All |
| **2.** | **What is Crest Gold** |  |
| **3.** | **How are we going to work** | Jonathan with discussion |
| **4.** | **Systems of record, reports, documents, sharing info. etc** | Penny |
| **5.** | **Likely timetable** | JFM |
| **6.** | **Science, community & school liaison opportunities** | All |
| **7.** | **Questions from team members & parents** | All |
| **8.** | **Initial research assignments (to be allocated)**   1. **What are the physics of a helium balloon – why does it rise;** 2. **What is the typical profile of balloon launch (time, height, descent, distance travelled);** 3. **What is the structure of our atmosphere;** 4. **What heights do civilian and military aircraft usually fly at;** 5. **What are ‘mission badges’ and who uses them;** 6. **What arrangements do we need to have with the CAA and ATC (Civil Aviation Authority & Air Traffic Control)** 7. **How do you know when to launch;** 8. **What happens to temperature as you rise through the atmosphere (and why?)** 9. **What happens to pressure as you rise through the atmosphere (and why?)** 10. **What is the source of the radiation in the atmosphere – and why is it important;** 11. **How do we know where the balloon is after we launch it – how do we track it;** 12. **What is the brain of the balloon electronics – what are our options – microcontroller & computer;** 13. **Can we take a 360 degree camera up? How would we view the footage?** |  |
| **9** | **Date of Next meeting** |  |