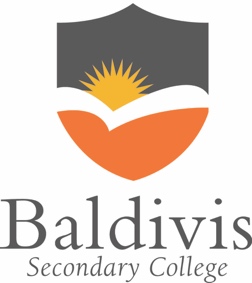
**Year 12 Essentials - Timezone and Co-ordinates Investigation**

**2 Periods in class – Week 6, Term 3.**

Your boss at Forrester Industries needs you and your team to fly around the world to Five of the international offices - located in either Cape Town, Hong-Kong, New Dehli, Moscow, Morocco, Paris, London, New York, Texas, **Rio de Janeiro or Santiago.**

**You need to choose Five offices that you will visit. To save money, you need to fly in a continual path around the world, either clockwise or anticlockwise. When you arrive, you will need to message your boss, with the GPS co-ordinates of where you are to confirm you have arrived. You need to consider however the time in Perth when you message him, and determine whether is he will be awake or asleep.**

You need to spend at least 24 hours in each city. Your flights and accommodation are paid for ny the company, but they need to track your Kilometres travelled.

Your boss needs an itinerary with: Distance, GPS, time zones, currency, dates and flight times.

This needs to be presented neatly and concisely. You may liaise with your team in paces, but you should all go to a different set of offices – there is a 1 in 39,916,800 chance you will be in the exact same set of offices, flights and times as one of your team. Your boss will not approve your flights if your itinerary matches another teams.

**Ensure that you present all information in an appropriate manner, that is clear to read.**

|  |  |  |
| --- | --- | --- |
| Item | Marks | Score |
| Itinerary | 5 Locations given – 5 Marks  5 GPS co-ordinates – 5 Marks | /10 |
| Flights | 5 Time zones – in GMT – 5 Marks  Flight times and dates given – 5 marks (1/2 each) | /10 |
| Time spent | At least 24 hours spent in each city – 5 marks | /5 |
| Direction | Goes Clockwise or Anticlockwise – 1 Mark | /1 |
| Currency | Determines correct local currency – 5 Marks | /5 |
| Text Messages to Boss | Local time converted to +8 GMT – 5 Marks  Appropriate text message time for Perth – 5 Marks | /10 |
| Presentation | Typed – 1  Tables used - 1  Title – 1  Headings - 1 | /4 |
| TOTAL | | /45 |