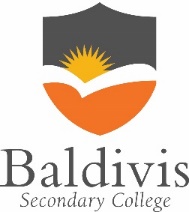
**Year 11 Essentials 2021**

**Investigation 5**

# Travel and Time

**Name:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Time for the task: 2 lessons in class, 1 week at home

Resources needed – laptop or device, Maths book, calculator **Total Marks:** / 27

**Task weighting:** 10 %

**Due Date:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

After the recent pandemic, The Australian Government is pushing for Australians to travel around their home country, to help small business’ and boost the economy.

You and three friends have decided to help by travelling around Australia during the school holidays. The four of you have decided to visit at least 4 states (including Western Australia).

Your task is to create a travel itinerary and a report, which will include; modes of transport, accommodation along the way, any activities you may want to participate, and all the costs associated with your holiday.

#### Rates

2.3.11    use rates to make comparisons

2.3.12   use rates to determine costs

#### Time

2.4.1      use of units of time, conversions between units, fractional, digital and decimal representations

2.4.2      represent time using 12 hour and 24-hour clocks

2.4.3      calculate time intervals, for example, time between, time ahead, time behind

2.4.4      interpret timetables, such as bus, train and ferry timetables

2.4.5      use several timetables and electronic technologies to plan the most time-efficient routes

2.4.6      interpret complex timetables, such as tide charts, sunrise charts and moon phases

2.4.7      compare the time taken to travel a specific distance with various modes of transport

* + 1. use scales to calculate distances and lengths on plans, maps and charts
    2. plan routes for practical purposes, accounting for local conditions.

#### Speed

2.4.12 calculate the time or costs for a journey from distances estimated from maps