

Work Activity Brief

Courses	Aviation Level 2 & Level 3		
Project Title	Introduction to the Aviation Industry		
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Project overview

The Aviation Industry is one of the most important contributors to the UK economy. This project will allow you to build an understanding of the industry in preparation for your study programme.

To answer all questions, please create a new Microsoft Word or PowerPoint document with the title 'Introduction to the Aviation Industry' and don't forget to include your name.

Once you have completed your project, please forward this to the following email address along with your full name: submissions@esc.ac.uk. We'll then forward this on to our curriculum teams who will be in touch shortly.

Outcome of the project

This project has been developed to help you to prepare for the programme that you will be joining in September. It will hopefully give you some insight into the subject area and develop your skills of working independently as well as assignment writing.

These are the tasks that you need to complete and will support you to structure your work

Task 1: There are multiple job roles within the Aviation sector. Identify **four** related roles that you are interested in exploring.

Task 2: From the above job roles, choose **one** role that interests you the most. To complete this task, you will need to research and answer the following questions:

2.1 What is a typical working day like? What tasks and responsibilities are involved?

2.2 What is the starting salary?

2.3 What skills and qualities are important for this role?

Task 3: The **CAA** is the *Civil Aviation Authority* and are the UK's aviation regulator.

Answer the following questions:

3.1 When were the CAA established?

3.2 Explain what support the CAA offer and why they are important.

Task 4: The **DFT** is the *Department for Transport*. A customer is asking you why the DFT is important at the airport. Provide an explanation as to who the DFT are and the role they play within aviation.

Task 5: One of the most dominating airlines is Emirates. Research Emirates airlines and answer the following questions:

- 5.1** Do Emirates offer short haul or long haul flights, or both?
- 5.2** List **5 examples** of a destination that Emirates fly to.
- 5.3** Which UK airports do Emirates serve?
- 5.4** Identify the different classes of ticket that are offered with Emirates eg Business Class.
- 5.5** Identify one example of an aircraft they use.
- 5.6** Why do you think Emirates are such a strong competitor?

Task 6: Another dominating airline is easyJet. Research easyJet and answer the following questions:

- 6.1** Do easyJet offer short haul or long haul flights, or both?
- 6.2** List **5 examples** of a destination that easyJet fly to.
- 6.3** Which UK airports do easyJet serve?
- 6.4** Identify the different classes that are offered with easyJet eg Business Class.
- 6.5** Identify one example of an aircraft they use.
- 6.6** Why do you think easyJet are such a strong competitor?

Task 7: Gatwick estimates that between 2025 and 2050, the building of a second runway at Gatwick will result in an average of 6.5 million additional passengers per year. Please answer the following:

- 7.1** What advantage will this bring airlines such as easyJet and Emirates?
- 7.2** The local residents within the area have a mixture of opinions about the building of a further runway. Why are some locals supportive of this runway and others against the expansion?
- 7.3** What is your overall opinion of this additional runway? Explain your reasons.

Task 8: Aurigny is the flag carrier airline of Guernsey and provides air transport for customers from Guernsey to the UK as well as one destination in France. As a flight dispatcher, health and safety is paramount and there are many factors to consider. You have started your first day as a flight dispatcher for Aurigny airlines and you are dispatching your first flight as follows:

- 8.1** Your first flight has a total of 19 male adults, 16 female adults and 4 children. As weight and balance are important factors, Aurigny assigns males an average weight of 91kg, females with an average weight of 72kg and children with an average weight of 15kg. For your first flight, can you calculate the average total passenger weight?
- 8.2** The flight is travelling from Southampton to Guernsey and a passenger stops to ask you what the flight duration is. What duration would you advise?
- 8.3** Aurigny uses a range of different aircrafts depending on the airport and route. Today, your first flight is using an *ATR 72* aircraft. Using Aurigny's website, how many passengers can this aircraft transport and what is the aircraft's range?
- 8.4** There is a technical fault with this aircraft but fortunately, all other aircrafts are available at Southampton's base. What other aircrafts can be used to transport the number of passengers on today's flight?