

Online Course Delivery

Semester 2 1920 and the COVID-19 outbreak

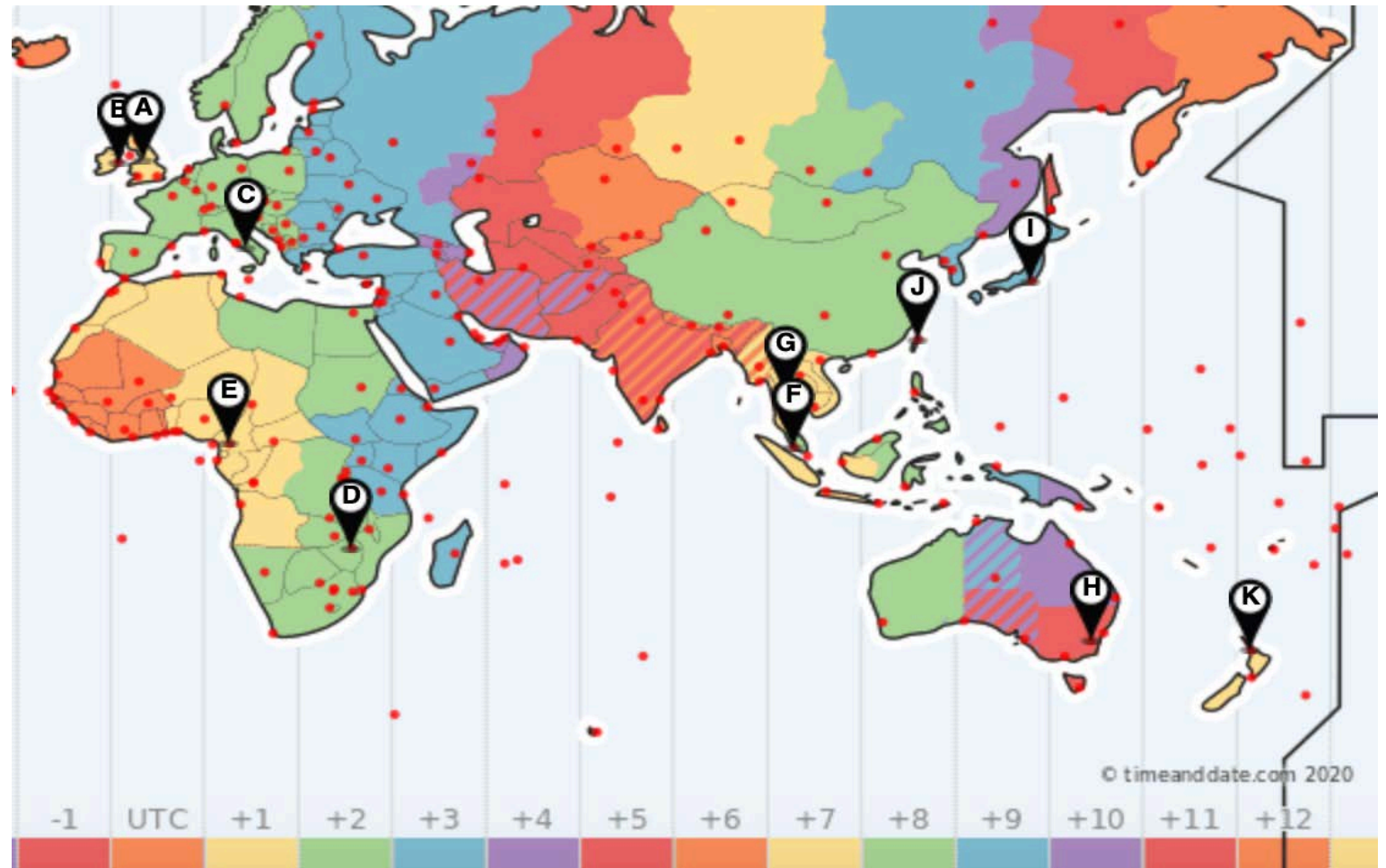
Lauren Knowles

Introduction

- Organisation and Logistics
- Technology
- Course Design

Organisation and Logistics

- 12 tutors
- 11 countries
- 8 time zones
- 400+ students in GMT+8



Organisation and Logistics

- Experience of the course and the institution varied – some new, some experienced with the course
- All new to the nature of delivery eg. Screencasts of lessons and use of forums for communication as a class
- Need consistency across course – Weekly Forums

Organisation and Logistics

Weekly Forums for students:

Welcome to Week 4 of the ESACb Engineering course!

Before you start the tasks for this week, make sure you have uploaded your EW2 Timed Writing from lesson 3.3 and downloaded the EW2 Guided Discovery task so you can check your work. There are also some example answers you can look at in this week's Extra Materials folder.

Last week you should have contributed to all the Week 3 discussions, this week you'll be expected to do the same. You will be put into different smaller discussion groups by your tutor this week for LSD2. Again, you will be expected to give multiple replies in your groups on discussion tasks. Look out for your names to find the correct group. If you didn't start off the discussions for LSD1, maybe you should try to start the discussion in your group for LSD2?

Watch your tutor's video summary of the important points from last week, remember you can ask for any clarification from your tutor and your classmates.

Here are this week's three key tasks that must be completed:

1. Upload your best paraphrases from Ex. 5 (to be completed after lesson 4.1)
2. Write an evaluative paragraph (to be completed after lesson 4.2)
3. LSD2 forum discussion (to be completed as part of lesson 4.3)

[Add a new discussion topic](#)

Discussion	Started by	Replies	Last post
LSD2: Ulysses, Chenxi, James	Lauren Knowles	4	Chenxi YANG Mon, 30 Mar 2020, 11:00 AM
LSD2: Carl, Mattel, Mark, Edward	Lauren Knowles	4	Lauren Knowles Mon, 30 Mar 2020, 9:56 AM
LSD2: Wendy, Harry, Zongshuo, Billy	Lauren Knowles	6	Lauren Knowles Mon, 30 Mar 2020, 9:35 AM
LSD2: Adien, Jim, Mavis, Klean	Lauren Knowles	3	Lauren Knowles Mon, 30 Mar 2020, 9:25 AM
LSD2: Yuan, Andrew, Yilin, Shawn	Lauren Knowles	5	Lauren Knowles Mon, 30 Mar 2020, 9:23 AM
Task 2: Writing an Evaluative Paragraph	Lauren Knowles	23	Yuzhu CHEN Sun, 29 Mar 2020, 11:23 PM
Task 1: Paraphrasing	Lauren Knowles	21	Zongshuo ZHANG Thu, 26 Mar 2020, 10:56 PM

◀ Week 3 Forum: Class B32 Jump to... Week 4 Forum: Class B32 ▶

Tutor forum for course queries:

ESACb Engineering TUTOR Forum

Tutors: Please feel free to use this space to share ideas or leave comments about the ESACb Engineering strand. This is not accessible to students.

Sarah will respond when necessary and will review comments at the end of semester when considering course changes.

For questions requiring a response, please use email rather than the forum to ensure that your Strand Leader can respond swiftly.

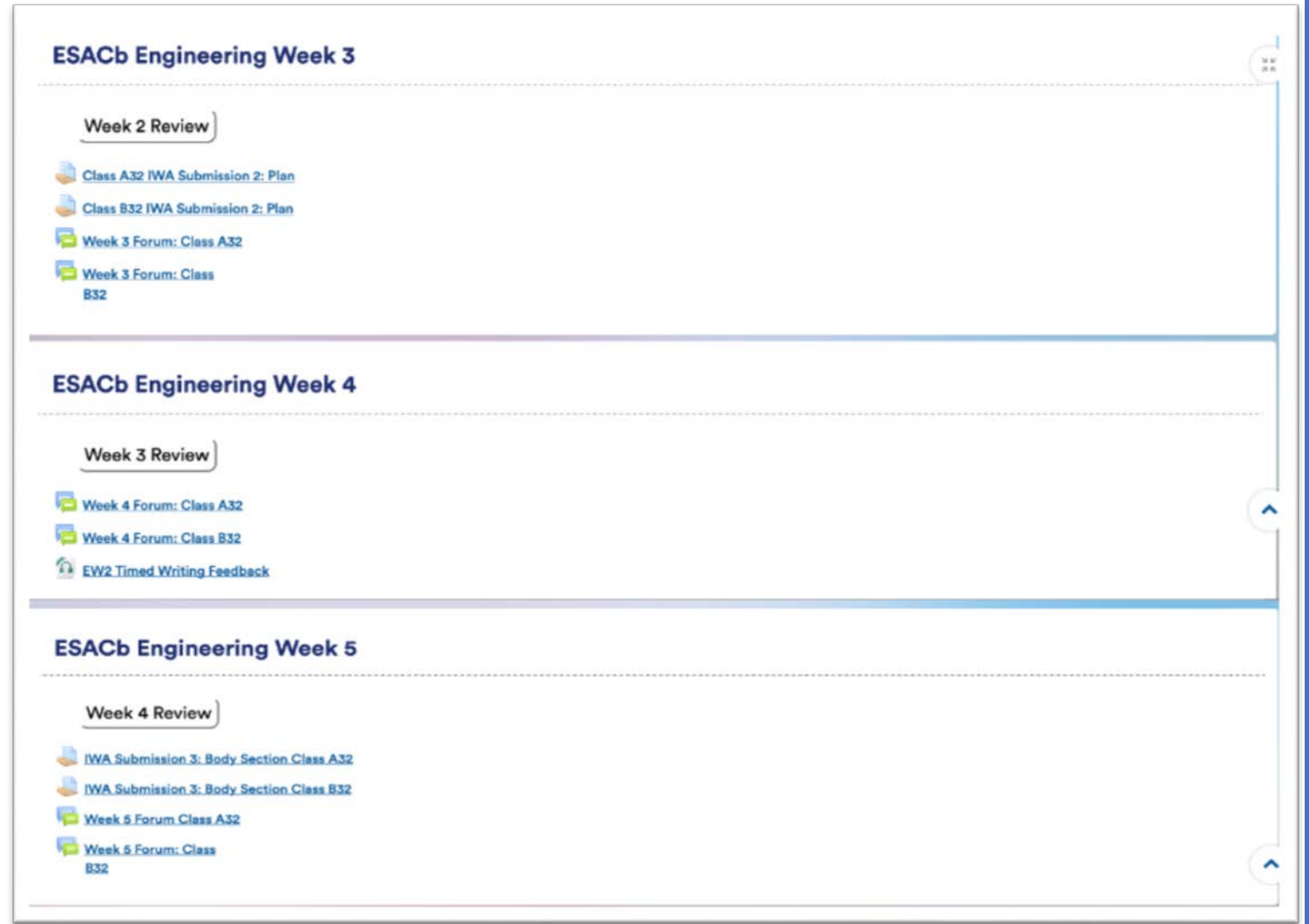
[Add a new discussion topic](#)

Discussion	Started by	Replies	Last post
6.3 text adventure text	Lauren Knowles	8	Lauren Knowles Mon, 30 Mar 2020, 1:34 PM
Checklist for Body section	Daniel Creasey	0	Daniel Creasey Mon, 30 Mar 2020, 10:07 AM
A word of warning - Macs and pdfs	Daniel Creasey	0	Daniel Creasey Fri, 27 Mar 2020, 2:59 PM
Algae Exam Writing	Robert Hartigan	2	Jacqueline Goulbourne Fri, 27 Mar 2020, 1:54 PM
IWA Reading List	Lauren Knowles	15	Jacqueline Goulbourne Fri, 27 Mar 2020, 1:47 PM
Thesis statements - plan?	Daniel Creasey	2	Lauren Knowles Wed, 25 Mar 2020, 12:08 PM
Submitted IWA plans not available on moodle	Daniel Creasey	1	Lauren Knowles
Counter arguments - one per paragraph?	John Goodell	3	Daniel Creasey Fri, 20 Mar 2020, 2:35 PM
Viewing IWA plan submissions	Daniel Creasey	1	Daniel Creasey Fri, 20 Mar 2020, 10:30 AM
IWA deadline	Daniel Creasey	4	Daniel Creasey Fri, 20 Mar 2020, 9:53 AM
Evaluation of Sources Feedback	Robert Hartigan	2	Lauren Knowles Thu, 19 Mar 2020, 9:03 AM
PDF of Garnet Book	John Goodell	2	Jacqueline Goulbourne Sun, 8 Mar 2020, 9:53 AM
Lesson 1.3 Exam writing 1	Robert Hartigan	3	Lauren Knowles Sat, 7 Mar 2020, 9:00 PM
Submission options in forums	Vijay Patankar	1	Lauren Knowles Sat, 7 Mar 2020, 8:53 PM
IWA Reading List	Arnold Jonga	1	Lauren Knowles Sat, 7 Mar 2020, 8:53 PM
ESACb weekly assignments tracker (xls)	Vijay Patankar	2	Lauren Knowles Sat, 7 Mar 2020, 8:49 PM
IWA Reading List	Arnold Jonga	0	Arnold Jonga Sat, 7 Mar 2020, 2:30 AM
Motivating students to complete homework on time	Vijay Patankar	0	Vijay Patankar Thu, 5 Mar 2020, 12:49 PM
Questions and comments about online delivery of the course	Lauren Knowles	3	Lauren Knowles Thu, 27 Feb 2020, 9:11 PM

Organisation and Logistics

Tutor's Moodle pages:

- Weekly video review
- Weekly forum with key tasks
- Assignment submission points



The screenshot displays a Moodle course interface for 'ESACb Engineering'. It is organized into three distinct weekly sections, each separated by a horizontal dashed line. Each section begins with a 'Review' link (e.g., 'Week 2 Review') and lists various activities and assignments for that week. The activities include IWA submissions, forums for both Class A32 and Class B32, and a timed writing feedback activity. The interface uses a clean, modern design with blue accents and icons for each activity type.

ESACb Engineering Week 3

[Week 2 Review](#)

- [Class A32 IWA Submission 2: Plan](#)
- [Class B32 IWA Submission 2: Plan](#)
- [Week 3 Forum: Class A32](#)
- [Week 3 Forum: Class B32](#)

ESACb Engineering Week 4

[Week 3 Review](#)

- [Week 4 Forum: Class A32](#)
- [Week 4 Forum: Class B32](#)
- [EW2 Timed Writing Feedback](#)

ESACb Engineering Week 5

[Week 4 Review](#)

- [IWA Submission 3: Body Section Class A32](#)
- [IWA Submission 3: Body Section Class B32](#)
- [Week 5 Forum Class A32](#)
- [Week 5 Forum: Class B32](#)

Organisation and Logistics

Weekly Forums:

- Welcome blurb
- Key task outline
- Task details
- Pictures / data
- Tutor instructions
(in red)

ESACb Engineering 1920

Week 4 Forum Blurb:

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Create the discussions below for the three tasks including the blurb (in order for them to appear in the logical order 1, 2, 3 you'll need to add them backwards, so add task 3 first)

For LSD2 again this week you'll need to set up a few discussions – put your students into groups of 3/4/5 – which ever works logically for your class size; make sure any non-participating inclined students are in larger groups so it doesn't affect the task for the other group members if they are late or not doing the task. Name the discussions 'LSD2 name of students' e.g. 'LSD2 Jelly, Alan, Yurbaq, and Eleanor' – you can see my video if you get stuck. These will have to be set up first as they're the final task for the week.

Task 1: Paraphrasing

Combine all the techniques you used in the 4.1 Car Technology worksheet ex. 4 to complete ex. 5: paraphrase each sentence of the paragraph as fully as possible. Post your best paraphrases in this week's forum task.

Task 2: Writing an evaluative paragraph

ESACb Engineering 1920

Ex. 7: Using the table on p.44 of your ESACb Engineering booklet to help you with the structure, write your plan into a full paragraph.

Post your paragraph below. You can also compare it to an example paragraph in this week's Extra Materials folder.

Task 3: LSD2 Seminar Discussion

Scientists and Engineers are often employed as consultants. This is an advisory role where they use their knowledge to help make decisions on the most suitable equipment for their company, considering specifications, cost etc.

You are going to read information about three different AGVs and three different manufacturers that need to buy a/some AGVs.

Read the information in your ESACb Engineering booklet about Manufacturers on p.48 and AGVs on p.49 carefully before you read the discussion question. You can make notes about anything you think might be significant – positive or negative.

Discuss the provided question on the forum paying attention to negotiating with your group. Make sure you provide reasons for your answers.

Your employer has been contacted by three different manufacturers who would like expert advice on which is the most suitable AGV for them. Look at the information about the three manufacturers and the AGV specifications provided and negotiate with your group to decide which AGV is most suitable for each company with justifications for each choice. You can choose the same AGV more than once if your group decides this is the best option for more than one company – as long as you have justification for doing so. You can also suggest requests you could make of the suppliers if you think there could be a better deal.

LSD2 picture is optional ☺



Technology

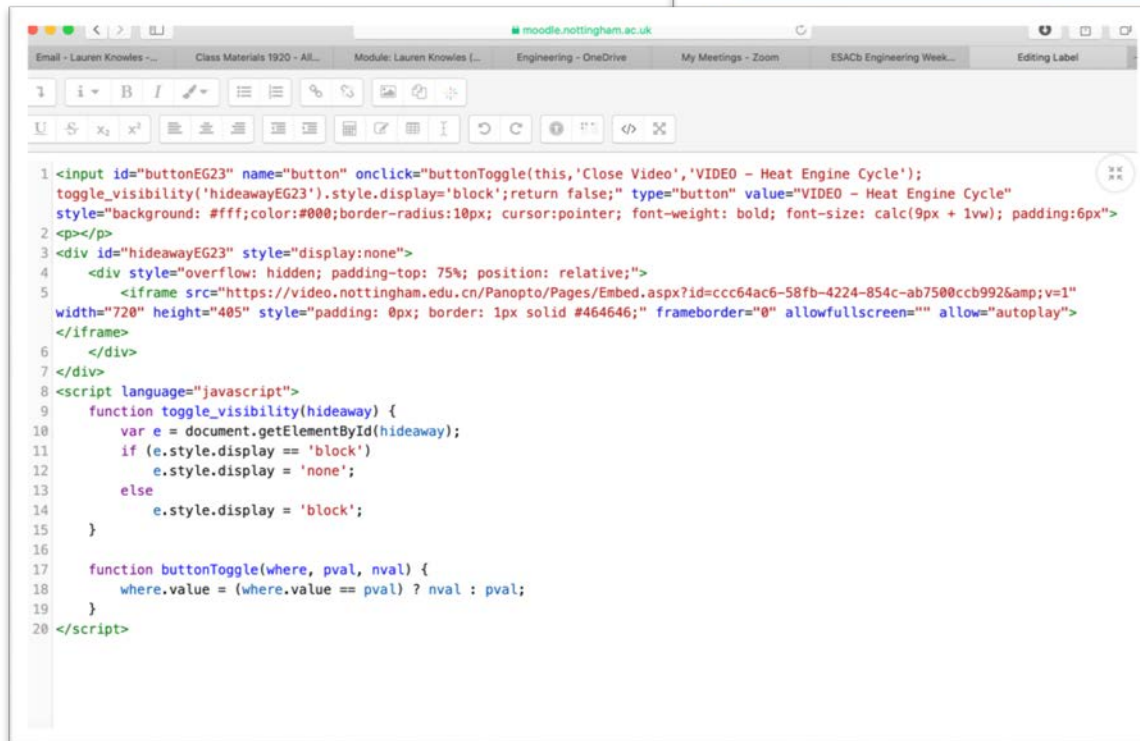
Experience of the VLE (Moodle) and general confidence in using tech varied between tutors

- 'How to' screencasts
- Becoming an editing teacher on others' Moodle pages
- Screencasting tasks for interactive lessons

Technology

Opportunity for upskilling

- Coding for Moodle



```
1 <input id="buttonEG23" name="button" onclick="buttonToggle(this,'Close Video','VIDEO - Heat Engine Cycle');
toggle_visibility('hideawayEG23').style.display='block';return false;" type="button" value="VIDEO - Heat Engine Cycle"
style="background: #fff;color:#000;border-radius:10px; cursor:pointer; font-weight: bold; font-size: calc(9px + 1vw); padding:6px">
2 </p></p>
3 <div id="hideawayEG23" style="display:none">
4 <div style="overflow: hidden; padding-top: 75%; position: relative;">
5 <iframe src="https://video.nottingham.edu.cn/Panopto/Pages/Embed.aspx?id=ccc64ac6-58fb-4224-854c-ab7500ccb9926amp;v=1"
width="720" height="405" style="padding: 0px; border: 1px solid #464646;" frameborder="0" allowfullscreen="" allow="autoplay">
6 </iframe>
7 </div>
8 <script language="javascript">
9 function toggle_visibility(hideaway) {
10     var e = document.getElementById(hideaway);
11     if (e.style.display == 'block')
12         e.style.display = 'none';
13     else
14         e.style.display = 'block';
15 }
16
17 function buttonToggle(where, pval, nval) {
18     where.value = (where.value == pval) ? nval : pval;
19 }
20 </script>
```

Engineering

Welcome to the ESACb Engineering strand section! Directly below you will find digital versions of the ESACb Engineering Booklet and the ESACb Writing and Feedback Booklet which you can download and use with the interactive lessons.

The IWA section has all the reading and documentation that you need to complete your IWA. Look at all of the documents and you can tick the completion box when you've finished to keep track of what you have done. If there are any questions about the IWA, please ask your tutors and they will be happy to help :)

Each section below that is then organised week by week. For example, in Week 1 you will see you can sign your attendance, watch the Interactive Lesson videos and look at the supporting materials to go with the lessons. There will also be a quiz each week to help check your knowledge and understanding and also some weeks will have videos such as TED talks that you can watch to practice listening skills and improve your topic knowledge. There is an Extra Materials folder which contains supplementary materials such as readings or links to webpages that will relate to the topic and the lessons for the week. You will also find a digital copy of the Weekly Learning Journal that you can download and complete to track your progress. Finally, there is a link to the Engineering Textbook Online which you will sometimes use for homework, self study or as part of your lessons.

All of your class interaction through forums will be on your tutor's Moodle page so please make sure you enrol on the correct tutor's page. If you have any questions please contact your tutor and we hope you enjoy the course!

Week 2	Week 3	Week 4
Week 6	Week 7	Week 8
Week 10	Week 11	Week 12

Technology

Opportunity for upskilling

- Experimenting with new technologies: Text Adventure Quest

Accident Analysis

Air Crash Investigation

Error running script: No parameters passed to AddToInventory function - expected 1 parameters


You are in an Aircraft Manufacturer Park.

You can see an [Airbus Information Point](#) and a [Boeing Information Point](#).

You can go [east](#), [down](#) or [west](#).

These are the two main manufacturers of aircraft. Here you can find the information about aircraft models, but you must choose the correct manufacturer in order to collect accurate information about the model of plane that disappeared. You can choose to 'look at' or 'ignore' either manufacturer.


Once you've decided which one has the information you need, enter by using the direction links or compass. Go East for Boeing and West for Airbus.



▼ Status
Investigator:

▼ Places and Objects
Airbus Information Point
Boeing Information Point

▼ Compass



An Air Traffic Control

> look at [Intended Flight Path](#)



Inventory

▼ Status
Investigator:

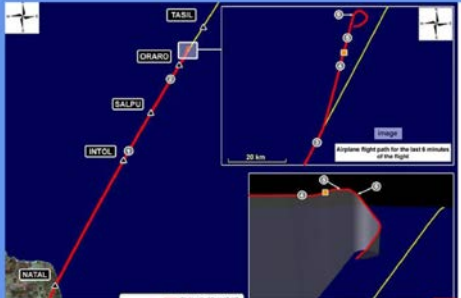
▼ Places and Objects
Weather Conditions
Intended Flight Path
Actual Flight Path

▼ Compass




The plane used for this regular flight between Rio de Janeiro and Paris took off with 70.4 tonnes of kerosene, which is the strict minimum for the distance between the two cities. Because of safety mechanisms in the plane, pilots (or support staff) would have to enter Bordeaux as the destination into the plane's flight management system during flight preparation, then change the destination while en route. If the pilots had deviated from their planned flight path to avoid the storm over the Atlantic ocean, as most other passenger flights in the same area did on the day of the accident, they might have had insufficient fuel to reach Paris and would have had to refuel in Portugal or Bordeaux.

> look at [Actual Flight Path](#)



▼ Places and Objects
Weather Conditions
Intended Flight Path
Actual Flight Path

▼ Compass



The plane descended at vertical speeds approaching 20000 feet per minute. The rapid descent took it into the ocean in less than 3½ minutes.

Type here...

Course Design

Opportunity for improvements

- 1819 Student Evaluation of Module (SEM) and Tutor Evaluation of Module (TEM) feedback eg. 'too much listening skills practice'; 'need more paraphrasing practice'
- Student feedback eg. more instructions on ppts
- 1920 SEMs and TEMs – help to ensure quality control of changes and inform what worked/didn't

Conclusion

Key skills to deal with sudden conversion to online delivery:

- Organisation
- Patience
- Willingness to help and be helped

Key opportunities to take advantage of:

- Tech upskilling
- Course design improvements