| **Lesson Plan** | | | |
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| **Name:** | Katy Copping | | |
| **Job Title:** | Autonomous Vehicle Safety Operator (AVSO) | | |

| **Date:** | 12/03/2024 | | |
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| **Aim:**  *(Overall goal?)* | Complete all Learning Outcomes required for **Unit 1**:   * LO1 Drive an electric vehicle safely. * LO2 Prepare and drive an electric vehicle safely to a high standard. * LO3 Prepare and drive an autonomous vehicle in data collection. | | |
| **Objective:**  *(Steps taken to reach that goal?)* | - Undergo a high standard driving test to show your professionalism and ability to drive to the standards required here at Wayve  - Be shown how to conduct a BUI of a vehicle and ensure its roadworthiness before heading out onto the road.  - You will use your understanding of the systems to set up, and safely conduct a DC run to our closed road test site. | | |
| **Session:**  *(What are you planning to do? What resources did you use?)* | Today you will be working towards successful completion of LO3.  You will learn how to correctly set up the vehicle in Data Collection mode and plot a route to the test site.  You will follow the sat nav correctly and ensure a high standard of driving is maintained throughout your time on the road | | |
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| **Trainer**  **Feedback:**  *(What Went Well & Areas Of Improvement)* | Katy demonstrated a good understanding of the BUI, setting up a Data Collection run and drove to the required high standard of driving between Wayve HQ and Millbrook and showed good knowledge of the Highway Code. Katy demonstrated a good level of forward planning and was adapting her speeds according to the speed limits when she approached the signs.  On the motorways it was highlighted to Katy that she needs to ensure she does not undertake vehicles travelling in the right hand lane and she was receptive to this feedback..  Overall Katy achieved a pass mark for this Unit | | |
| **Learner Self-Reflection:** | The drive to Millbrook was slightly challenging due to rain. But I am well versed in challenging weather whilst driving. Understanding the BUI (as most new tech) took a few sessions to grasp. But once familiarised with the system it was simple to navigate. The undertaking of the vehicle on the motorway wasn’t intentional. And I understand where I went wrong and in the future will maintain higher standards of driving, adhering to the highway code at all times. | | |

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| **Aim:**  *(Overall goal?)* | Complete all Learning Outcomes required for **Unit 2**: - LO1 Prepare an autonomous vehicle for safe operation in a Closed Road Testing - LO2 Operate an autonomous vehicle in a Closed Road Testing environment | | |
| **Objective:**  *(Steps taken to reach that goal?)* | - Attend a Closed Road Testing (CRT) site and conduct Autonomous driving - Work through the required steps needed to setup a Autonomous Feature Test (AFT) test on the UI - Learn and put into practise the methods of intervening with the system - Safely carry out an AFT | | |
| **Session:**  *(What are you planning to do? What resources did you use?)* | Today you will attend the test site and we will show you how to set up an AFT through the steps required on the UI.  We will show you the areas we use on the site to ensure your understanding of the different areas.  We will have discussions around Interventions with the systems and carry out a couple of tes circuits s to make sure you are comfortable operating the system, that you feel in control to intervene with the system if necessary and we will start to build up your confidence | | |
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| **Trainer**  **Feedback:**  *(What Went Well & Areas Of Improvement)* | Katy carried out the Gamepad check and has a good understanding of the process.  When being introduced to engaging in AV mode, Katy was at first quite apprehensive and was maintaining pressure on the brake/accelerator, however after some practice she began to get familiar with it and was able to confidently control the vehicle, carry out interventions and smoothly hand over to AV.  We discussed the importance of good observations and blindspot checks whilst in AV and she has shown a good positive attitude to feedback.  Whilst there is still room for improvement, she has shown good progress in carrying out observations and blindspot checks before engaging in AV and during the runs.  Katy has done well today and has achieved a pass mark in this level. Katy can take the new skills she has learnt and practise them on the public roads tomorrow. | | |
| **Learner Self-Reflection:** | The gamepad check, again, took time to familiarise the pattern of order. But once I had familiarised myself with its functions it was simple to navigate. I understand the importance of operating the vehicle when performing a gamepad and to ensure all protocols are followed. I was, of course, hesitant when first engaging with the AV. It goes against everything I know as a driver, so understandably I| was showing hesitancy in the beginning to take my foot off the pedals. But once I had repeated the process a few times I soon got the hang of it. Blind spots were something I had to work on. Being predominantly a van driver for many years I’ve been used to using mirrors and unable to complete full over the shoulder checks due to obscured views. However, I am including them with every check I now do. And I am keenly aware of my surroundings whilst operating the vehicle. | | |

[[1]](#footnote-0)

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| **Date:** |  | | |
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| **Aim:**  *(Overall goal?)* | Complete all Learning Outcomes required for **Unit 3**: - LO1 Prepare an autonomous vehicle for safe operation in a Open Road Testing - LO2 Operate an autonomous vehicle in a Open Road Testing environment | | |
| **Objective:**  *(Steps taken to reach that goal?)* | - Head to Linton Street and Sommers Town to learn about on road testing. - You will be shown how to correctly setup an AFT for an Open Road Test, using the UI. - You will have the opportunity to demonstrate your ability to safely conduct testing. | | |
| **Session:**  *(What are you planning to do? What resources did you use?)* | During this session you will head out to Linton Street, Sommers Town and following successful competence at these test sites, you will conduct a Cali V2 test route. These environments will help you to further develop your skills as an AVSO. You will be shown how to set up an AFT, how to manually plot a route/load one from the UI pre planned maps and carry out an AFT of this route. | | |
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| **Trainer**  **Feedback:**  *(What Went Well & Areas Of Improvement)* |  | | |
| **Learner Self-Reflection:** | Unit 3 was positive and gave me a much better understanding of what it's like to be an AVSO. Using different models that aren't as compliant as the baseline gave me an insight to how the vehicle can perform and that having a hyper acute response time is paramount. I enjoyed being able to use my skills as a driver to the test to keep rectifying the model when it wasn't following good practice. I have been observing and completing shoulder checks throughout and feel I have improved significantly. | | |

1. New Starter Training 02/08/23 [↑](#footnote-ref-0)