| Lesson Plan | | | |
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| Name: | [Zoe Teasdale](mailto:zoe.teasdale@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: | 08/04/24 | | |
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| Aim:  *(Overall goal?)* | Complete all Learning Outcomes required for Unit 1:   1. LO1 Drive an electric vehicle safely. 2. LO2 Prepare and drive an electric vehicle safely to a high standard. 3. LO3 Prepare and drive an autonomous vehicle in data collection. | | |
| Objective:  *(Steps taken to reach that goal?)* | 1. Undergo a high standard driving test to show your professionalism and ability to drive to the standards required here at Wayve 2. Be shown how to conduct a BUI of a vehicle and ensure its roadworthiness before heading out onto the road. 3. 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 | | |
|
| Trainer  Feedback:  *(What Went Well & Areas Of Improvement)* | Overall today driving up to Millbrook was successful with some learning points discussed. During the high standard driving assessment, we initially talked about the need to stick to a steady speed and not fluctuate up and down from the speed limit. Zoe Informed me during her previous time as a bus driver, the vehicles were fitted with limiters so this is what caused the over accelerating and slowing.  Zoe reacted a little late to a vehicle turning left off the road in front of us and got a little close still travelling at speed, this was the only occasion and we talked about the requirement for good further planning. No other instances of this occurred and Zoe showed good forward planning.  She showed excellent observations when driving along and we discussed where we require blindspot checks, and these were implemented along the way.  Good drive Zoe, continue with these standards and learning points we talked over.  - Focus on maintaining a high standard of driving and build on your forward planning. | | |
| Learner Self-Reflection: | Having a long drive ahead with Kieran and Joe and being out of my comfort zone in an unfamiliar area was nerve racking. Having to unlearn familiar habits from being a bus driver ie. watching my speed and not putting the accelerator completely down. Remembering and focusing on maintaining a high standard of driving moving forward. | | |

Unit 2

| Lesson Plan | | | |
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| Name: | [Zoe Teasdale](mailto:zoe.teasdale@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: | 08/04/24 | | |
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| Aim:  *(Overall goal?)* | Complete all Learning Outcomes required for Unit 2: 1. LO1 Prepare an autonomous vehicle for safe operation in a Closed Road Testing 2. 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 | | |
|
| Trainer  Feedback:  *(What Went Well & Areas Of Improvement)* | Following a nervous start to the day, Zoe showed a great overall performance engaging, intervening and carrying out observations. Once Zoe had got comfortable with the system her observations, like those shown in her high standard driving, started to come into light.  We talked over how we MUST intervene the moment the model does something she as a driver wouldnt do and she started to show a good ability to do this.  Zoe incorporated some Taxonomy into her interventions with good accuracy.  Overall, Zoe performed very well today, safe and controlled actions on the system with no concerns for safety. Well done Zoe!   * Continue to intervene the moment the model does anything it shouldn’t * Remember to show great observations like in your High Standard Driving | | |
| Learner Self-Reflection: | Enjoyed being able to drive in AFT and being out of my comfort zone. Learning something new is always scary and it was comforting to have support from and feedback from Kieran. Feedback is always good to take into the following day. | | |

[[1]](#footnote-0)

Unit 3.1

| Lesson Plan | | | |
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| Name: | [Zoe Teasdale](mailto:zoe.teasdale@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: | 09/04/24 | | |
| --- | --- | --- | --- |
| Aim:  *(Overall goal?)* | Complete all Learning Outcomes required for Unit 3: 1. LO1 Prepare an autonomous vehicle for safe operation in a Open Road Testing 2. LO2 Operate an autonomous vehicle in a Open Road Testing environment | | |
| Objective:  *(Steps taken to reach that goal?)* | - Head to 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 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 a AFT of this route. | | |
|
| Trainer  Feedback:  *(What Went Well & Areas Of Improvement)* | Zoe headed out to Sommers Town this morning to start her open-road testing. She showed a great ability from the start to get to grips with the game-pad check, systems and behaviours learnt up at Millbrook.  During the morning's test runs, Zoe was a little nervous pushing onto busier routes. She demonstrated great observations and blindspot checks, just as we need them and would be fantastic to see these checks carried through consistently in her testing.  Zoe still showed quite wide turns in and out of junctions. We talked about the need to tighten the turns up and Zoe has improved. It would be good to still see a further improvement in this. You need to work on driving less along a similar path to what you did bus driving, and more along how you would drive a car.  When moving onto a ‘free-plot’ Cali route and a full Cali V2 route in the afternoon, After initially talking her through forward planning and how to structure your on-road planning when journeying in AV, she started to show these skills.  Overall today was a really successful day testing with Zoe and she is making great progress towards becoming an AVSO.   * It would be good to see you exhibit more confidence in your own ability * Continue with the observations your currently delivering * Focus on developing you forward planning skills further * Be sure to put safety as a priority when testing and intervene the moment this, or the highway code is no longer being upheld. * Tighten up turns in/out of junctions | | |
| Learner Self-Reflection: | Really enjoyed today, more aware of my surroundings and street furniture/people being around whilst in AFT. Supported throughout my decisions and explained why I made those choices throughout the day. Confident and happy with my current position.  I need to make sure I continue checking the blindspots and being comfortable intervening when I have to second guess something that would be classed as not a good standard for the vehicle. | | |

Unit 3.2

| Lesson Plan | | | |
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| Name: | [Zoe Teasdale](mailto:zoe.teasdale@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: |  | | |
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| Aim:  *(Overall goal?)* | 1. Conduct testing on Alpha Routes, Crouch End and Finsbury Park 2. Improve to the Driving standards required, ready for Unit 3 Assessment | | |
| Objective:  *(Steps taken to reach that goal?)* | - Have a discussion about the Driving standards required here at Wayve - Successfully demonstrate the required driving standards during AV testing.  - Expand routes to Alpha 1, 2 and Crouch End | | |
| Session:  *(What are you planning to do? What resources did you use?)* | During this session, Learners will head out and start conducting testing on Alpha, 1 and 2, Crouch End and Finsbury Park testing routes.  This session will continue with the development of your AVSO skills, changing to a more complex environment and maintaining Autonomous Driving for longer distances. | | |
|
| Trainer  Feedback:  *(What Went Well & Areas Of Improvement)* | This morning we started by completing an Alpha 1 and Alpha 2 route.  During the routes she displayed good awareness around the vehicle and excellent observations. She conducted AV testing to a good standard on the Alpha runs.  We moved onto a Crouch End and Zoe continued to show very good observations during the drive.  On one occasion, Zoe was looking ahead and watching the space left beyond the yellow box junction. When the vehicles ahead drove on, the model was also moving off to drive on and Zoe didn’t notice that the traffic lights had changed to red until I asked her to intervene. We discussed the importance of being aware of all our surroundings in these situations.  Towards the end of the route, when the model turned right from Holloway Road into Camden Road, it took a late turn towards a bollard and Zoe had not seen it as she was looking around the left side of the car. I reached over and handled the steering wheel to intervene and avoid the bollard. We spoke about the importance of looking ahead after the car has turned to see the hazards ahead, rather than looking around the car.  This afternoon Zoe completed a Finsbury Park route and she conducted it well carrying out excellent observations with timely interventions and I had no safety concerns during this run. She was also trying to bring in the Taxonomy which were correct most of the time.  Learning points to consider:   * Be sure to look ahead when the vehicle is turning to ensure you see upcoming hazards * Be aware of the lights changing when you are considering what is going on with the traffic ahead   Well done Zoe! | | |
| Learner Self-Reflection: |  | | |

Unit 3.3

| Lesson Plan | | | |
| --- | --- | --- | --- |
| Name: | [Zoe Teasdale](mailto:zoe.teasdale@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: |  | | |
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| Aim:  *(Overall goal?)* | 1. Conduct testing on Finsbury Park and Upper Holloway routes 2. Increase testing speeds up to 30 and 40mph 3. Improve to the Driving standards required, ready for Unit 3 Assessment | | |
| Objective:  *(Steps taken to reach that goal?)* | - Successfully demonstrate the required driving standards during AV testing.  - Expand routes to Finsbury Park and Upper Holloway - Explore routes which use 30 and 40mph speed limits | | |
| Session:  *(What are you planning to do? What resources did you use?)* | During this session, Learners will head out and start conducting testing on Finsbury Park and Upper Holloway testing routes.  This session will continue with the development of your AVSO skills, changing to a more complex environment and maintaining Autonomous Driving for longer distances. | | |
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| Trainer  Feedback:  *(What Went Well & Areas Of Improvement)* |  | | |
| Learner Self-Reflection: |  | | |

Unit 3.4

| Lesson Plan | | | |
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| Name: | [Zoe Teasdale](mailto:zoe.teasdale@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |
| Date: |  | | |
| Aim:  *(Overall goal?)* | 1. Conduct testing on a Euston Route  2. Further show your ability to operate the Autonomous vehicle systems by conducting ‘Solo testing’ on our ALR routes. | | |
| Objective:  *(Steps taken to reach that goal?)* | - Expand routes to Euston Road  - Showcase your ability to successfully carry out testing of an autonomous vehicle when driving ‘solo’ | | |
| Session:  *(What are you planning to do? What resources did you use?)* | You will continue to develop your knowledge of more routes by conducting testing on the level 4 Euston route.  All being well that the learner has shown a successful ability to control the AV system to the required standard, they will now be able to head out and conduct ‘Solo On-road testing’. This will be a mixture of routes covered during their training, Alpha routes up to ALR’s. | | |
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| Trainer  Feedback:  *(What Went Well & Areas Of Improvement)* |  | | |
| Learner Self-Reflection: |  | | |

| Lesson Plan | | | |
| --- | --- | --- | --- |
| Name: | [Zoe Teasdale](mailto:zoe.teasdale@wayve.ai) | | |
| Job Title: | Autonomous Vehicle Safety Operator (AVSO) | | |

| Date: | 18/03/24 | | |
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| Aim:  *(Overall goal?)* | - Conduct testing on Cali V2 routes and build up to Alpha routes - Improve to the Driving standards required, ready for Unit 3 Assessment | | |
| Objective:  *(Steps taken to reach that goal?)* | - Have a discussion about the Driving standards required here at Wayve - Successfully demonstrate the required driving standards during AV testing.  - Expand routes to Cali V2, and Alpha Lane routes | | |
| Session:  *(What are you planning to do? What resources did you use?)* | During this session, Learners will head out and start conducting testing on Alpha, 1, 2 and Crouch end testing routes.  This session will continue with the development of your AVSO skills, changing to a more complex environment and maintaining Autonomous Driving for longer distances. | | |
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| Trainer  Feedback:  *(What Went Well & Areas Of Improvement)* |  | | |
| Learner Self-Reflection: |  | | |

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