# BCL2302\_DWA Part 1: Structuring JavaScript Lesson Plan

| WEEK 01: DWA Part 1: Structuring JavaScript | | | |
| --- | --- | --- | --- |
| May 29, 2023 |  | **TASK** | **PROGRESS** |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 08:45 - 12:00 | DWA\_01: Managing Complexity | Work through LMS Content | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_01: Managing Complexity | Work through LMS Content | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| May 30, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 09:00 - 12:00 | **Group Work**\_**Knowledge Check DWA1** | Students work in groups of 3 or 4 to find solutions for **DWA1**  **Each student is to submit DWA1 solution via [**[**Projects]**](https://learn.codespace.co.za/projects) **tab** | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_02: What is JavaScript? | Work through LMS Content | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| May 31, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 08:45 - 12:00 | DWA\_02: What is JavaScript? | Work through LMS Content | Not Started |
| 09:00 - 09:50 | **Coaching Session Group 01** | **Program Coordinators split students into 3 groups and assign them to a slot. The coach will spend 45 min with students discussing solutions to DWA1. Coach to randomly select students to answer questions to validate understanding.** | Not Started |
| 10:00 - 10:50 | **Coaching Session Group 02** | Not Started |
| 11:00 - 11:50 | **Coaching Session Group 03** | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_02: What is JavaScript? | **Complete and submit Project Submission DWA2** | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 1, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 08:45 - 12:00 | DWA\_03: Documentation | Work through LMS Content | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_03: Documentation | Work through LMS Content | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 2, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 08:45 - 12:00 | DWA\_03: Documentation | **Complete and submit Project Submission DWA3.1 & 3.2** | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 15:00 | **Group Work**\_**Knowledge Check DWA2** | Students work in groups of 3 or 4 to discuss solutions for **DWA2, DWA3.1 & 3.2** | Not Started |
| 15:00 - 16:15 | DWA\_04: Code Style | Work through LMS Content | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |

| WEEK 02 | | | |
| --- | --- | --- | --- |
| Jun 5, 2023 | **ITEM** | **TASK** | **PROGRESS** |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 09:00 - 09:50 | **Coaching Session Group 01** | **Program Coordinators split students into 3 groups and assign them to a slot. The coach will spend 50 min with students discussing solutions to DWA2-3. Coach to randomly select students to answer questions to validate understanding.** | Not Started |
| 10:00 - 10:50 | **Coaching Session Group 02** | Not Started |
| 11:00 - 11:50 | **Coaching Session Group 03** | Not Started |
| 08:45 - 12:00 | DWA\_04: Code Style | Work through LMS Content | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_04: Code Style | **Complete and submit Project Submission DWA4** | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 6, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 08:45 - 12:00 | DWA\_05: Throwing Errors | Work through LMS Content | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_05: Throwing Errors | **Complete and submit Project Submission DWA5** | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 7, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 09:00 - 09:50 | **Coaching Session Group 01** | **Program Coordinators split students into 3 groups and assign them to a slot. The coach will spend 50 min with students discussing solutions to DWA4-5. Coach to randomly select students to answer questions to validate understanding.** | Not Started |
| 10:00 - 10:50 | **Coaching Session Group 02** | Not Started |
| 11:00 - 11:50 | **Coaching Session Group 03** | Not Started |
| 12:00 - 12:45 | LUNCH |  | Not Started |
| 13:00 - 16:15 | DWA\_06: Abstraction | Work through LMS Content |  |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 8, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 08:45 - 12:00 | DWA\_06: Abstraction | Work through LMS Content | Not Started |
| 12:00 - 12:45 | LUNCH |  | Not Started |
| **13:00 - 16:15** | **Use this afternoon to do peer review sessions with other students in your class. Practice validating your code for DWA 6** | **Program Coordinators to group students and set up meeting links to facilitate sessions.** | Not Started |
| 13:00 - 16:15 | DWA\_06: Abstraction | **Complete and submit Project Submission DWA6** |  |
| Jun 9, 2023 |  |  |  |
| 08:45 - 12:00 | DWA\_07: Programming Paradigms | Work through LMS Content | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_07: Programming Paradigms | Work through LMS Content | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |

| WEEK 03 | | | |
| --- | --- | --- | --- |
| Jun 12, 2023 | **ITEM** | **TASK** | **PROGRESS** |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 09:00 - 12:00 | **1-on-1 Session** | Coaches validate student learning **DWA6** | Not Started |
| 08:45 - 12:00 | DWA\_07: Programming Paradigms | Work through LMS Content | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 08:45 - 12:00 | DWA\_07: Programming Paradigms | **Complete and submit Project Submission DWA7** | 08:45 - 12:00 |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 13, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 09:00 - 12:00 | DWA\_08: Encapsulation | Work through LMS Content | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_08: Encapsulation | Work through LMS Content | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 14, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 08:45 - 12:00 | DWA\_08: Encapsulation | Work through LMS Content | Not Started |
| 09:00 - 09:50 | **Coaching Session Group 01** | **Program Coordinators split students into 3 groups and assign them to a slot. The coach will spend 50 min with students discussing solutions to DWA7. Coach to randomly select students to answer questions to validate understanding.** | Not Started |
| 10:00 - 10:50 | **Coaching Session Group 02** | Not Started |
| 11:00 - 11:50 | **Coaching Session Group 03** | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_08: Encapsulation | **Complete and submit Project Submission DWA8** | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 15, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| **08:45 - 12:00** | **Use this Morning to do peer review sessions with other students in your class. Discuss solutions.** | **Discuss solutions & prepare for the validation session** | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_09: Inheritance | Work through LMS Content | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 16, 2023 |  |  |  |
|  | **PUBLIC HOLIDAY** | **We strongly recommend you use this time to work through content you must catch up on or revise.** | Not Started |

| WEEK 04 | | | |
| --- | --- | --- | --- |
| Jun 19, 2023 | **ITEM** | **TASK** | **PROGRESS** |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 09:00 - 12:00 | DWA\_09: Inheritance | Work through LMS Content | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 09:00 - 12:00 | DWA\_09: Inheritance | **Complete and submit Project Submission DWA9** | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 20, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 09:00 - 12:00 | DWA\_10: Polymorphism | Work through LMS Content | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_10: Polymorphism | Work through LMS Content | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 21, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 09:00 - 09:50 | **Coaching Session Group 01** | **Program Coordinators split students into 3 groups and assign them to a slot. The coach will spend 50 min with students discussing solutions to DWA8-9. Coach to randomly select students to answer questions to validate understanding.** | Not Started |
| 10:00 - 10:50 | **Coaching Session Group 02** | Not Started |
| 11:00 - 11:50 | **Coaching Session Group 03** | Not Started |
| 08:45 - 12:00 | DWA\_10: Polymorphism | Work through LMS Content | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_10: Polymorphism | **Complete and submit Project Submission DWA10** | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 22, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 08:45 - 12:00 | DWA\_11: Functional Programming (FP) | Work through LMS Content | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_11: Functional Programming (FP) | Work through LMS Content | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 23, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 08:45 - 12:00 | DWA\_11: Functional Programming (FP) | **Complete and submit Project Submission DWA11** | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_12: Declarative Abstractions | Work through LMS Content | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |

#### 

| WEEK 05 | | | |
| --- | --- | --- | --- |
| Jun 26, 2023 | **ITEM** | **TASK** | **PROGRESS** |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 09:00 - 09:50 | **Coaching Session Group 01** | **Program Coordinators split students into 3 groups and assign them to a slot. The coach will spend 50 min with students discussing solutions to DWA10-11. Coach to randomly select students to answer questions to validate understanding.** | Not Started |
| 10:00 - 10:50 | **Coaching Session Group 02** | Not Started |
| 11:00 - 11:50 | **Coaching Session Group 03** | Not Started |
| 08:45 - 12:00 | DWA\_12: Declarative Abstractions | Work through LMS Content | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_12: Declarative Abstractions | **Complete and submit Project Submission DWA12** | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 27, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 09:00 - 12:00 | DWA\_13: Higher Order Functions | Watch Lecture and work through readings | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_13: Higher Order Functions | Watch Lecture and work through readings | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 28, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 09:00 - 09:50 | **Coaching Session Group 01** | **Program Coordinators split students into 3 groups and assign them to a slot. The coach will spend 50 min with students discussing solutions to DWA12. Coach to randomly select students to answer questions to validate understanding.** | Not Started |
| 10:00 - 10:50 | **Coaching Session Group 02** | Not Started |
| 11:00 - 11:50 | **Coaching Session Group 03** | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 08:45 - 12:00 | DWA\_13: Higher Order Functions | **Complete and submit Project Submission DWA13** | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 29, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 08:45 - 12:00 | DWA\_14: State Machines | Work through LMS Content | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_14: State Machines | Work through LMS Content | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |
| Jun 30, 2023 |  |  |  |
| 08:30 - 08:45 | Check-in | Post Daily Check-in on Slack | Not Started |
| 08:45 - 16:15 | DWA\_14: State Machines | Work through LMS Content | Not Started |
| 12:00 - 12:45 | LUNCH |  |  |
| 13:00 - 16:15 | DWA\_14: State Machines | **Complete and submit Project Submission DWA14** | Not Started |
| 16:15 - 16:30 | Check-out | Post Daily Check-out on Slack | Not Started |