

Junior Phase Outline

| Week | Workshop/Checkpoint | Topics |
|------|--|--------------------------------------|
| 1 | Data Structures Part 1 | Linked List & Queue |
| | Data Structures Review Checkpoint (Take-home) | -- |
| | Data Structures Part 2 | Hash Table & Trees |
| | Selector.js | The DOM |
| | Sorting | Algorithms and Big O |
| | Game of Life | Context ('this') and 'bind' |
| | Node-shell | Unix commands and Node.js |
| 2 | Express Review Checkpoint (Take-home) | -- |
| | Twitter.js | HTTP, Server Routing, and Express.js |
| | SQL | Databases and SQL |
| | Intro to Schema Design | Relational Database Schema |
| | Twitter.sql | Connecting Databases and Servers |
| | Practical Promises | Intro to Promises and Async |
| | Wikistack | ORMs and Sequelize |
| 3 | Sequelize Review Checkpoint (Take-home) | -- |
| | Wikistack Testing | Writing Tests |
| | Pledge | Promises in Depth |
| | Shoestring & Responsive Shoestring | CSS |
| | TripPlanner Static UI | HTML |
| 4 | Express/Sequelize Checkpoint | Topics to study |
| | TripPlanner Live UI | jQuery |
| | TripPlanner Persistence | AJAX |
| | World Wide Whiteboard | Sockets and Real-time Updates |
| | Webpack WW | Webpack and Build Tools |
| | Juke - React | React.js and Single Page Apps |
| | React Review Checkpoint (Take-home) | -- |
| 5 | Juke - React Router | Front-end Routing and React Router |
| | Juke - Forms | React Forms |
| | StackChat - Redux | State Management and Redux.js |
| 6 | StackChat - React Redux | Redux Bindings for React.js |
| | Auther | Authentication |
| | Senior Enrichment Project | -- |
| | Curriculum Review | -- |
| 7 | Senior Phase Checkpoint | Topics to study |

* Please note that this is a tentative schedule that is subject to change.