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| Phase **Traffic Lights Tool Sheet 1** | Statement**Date completed:**  | Colour | Rating**Student ID:** | Notes/Thoughts**Signed:** |
| ProjectPrepa-ration  | 1. I can turn a research question into a specific, testable hypothesis. |  |  |  |
| 2. I can design an experiment or project to test the hypotheses I have generated. |  |  |  |
| 3. I know how to design my project so I can use simple and effective analysis on my results (e.g. statistical). |  |  |  |
| 4. I can search and read the scientific literature to find papers and methodology relevant to my project. |  |  |  |
| 5. I can effectively and confidently communicate and work with technicians, my supervisor and any external partners.  |  |  |  |
| ProjectExecu-tion | 6. I know how to use the laboratory equipment, reagents, software etc. needed to complete my project. |  |  |  |
| 7. I understand the procedures around risk assessment and chemical safety relating to my project. |  |  |  |
| 8. I can manage my time effectively to carry out my work in good time. |  |  |  |
| 9. I know what to do when an experiment or piece of equipment is difficult to use or not working as expected. |  |  |  |
| ProjectPresen-tation | 10. I can carry out the statistical or other analysis suitable to the data I have generated. |  |  |  |
| 11. I know how to structure and write a thesis according to the author guidelines of a scientific journal. |  |  |  |
| 12. I know how to effectively present my work and results to an audience of my peers. |  |  |  |



**Quadrant Tool**