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| **1 – Planning the project** |
| 1.1 The student set a clear aim for the project and broke it down into smaller objectives |
| 1.2 The student explained a wider purpose for the project |
| 1.3 The student identified a range of approaches to the project |
| 1.4 The student described their plan for the project and why they chose that approach |
| 1.5 The student planned and organised their time well |

1.2 Objective:

To create a flexible multi-purpose programmable flying platform for educational, recreational and testing purposes.

General requirements:

* Simple and cheap hardware
* Open source adjustable software
* Modular scalable design

Educational drones:

1. DJI Telo EDU <https://ired.ac.uk/dji-tello-edu/?gclid=EAIaIQobChMIwbjalaWL5wIVhbHtCh0ngQtHEAAYAiAAEgKo5PD_BwE>

Only Apple app, no open source coding.

1. Goertek Robotics Fii

<http://www.gtkrobotics.com/en/education/education-details-39.html>

Arduino - popular because of its low price, open-source software, application for educational and testing purposes. Our aim - to repeat that success for a flying device, capable of performing a wide variety of functions and programmable by the user for specific purpose.

Recreational drones:

Preprogrammed, can’t be adjusted to specific needs.