

Teachers Guide to Aeronautical Activities

Activity No. 2

Make a Radio Controlled Aircraft

Making a radio controlled aircraft can be cost effective when done in groups. There are many versions of model aircraft available online which have various complexity in the build process. Some small model aeroplanes are 'ready-to-fly' and may require basic assembly. More complex assembly would require reading drawings and using bench tools. The cost can also be several hundred Euros.

Time Required: This would need to be classed as a larger or extra-curriculum activity. It would take a few weeks of lesson time to complete.

Resources Required: This needs some experience from the teachers. The type of kit purchased needs careful consideration and basic RC aircraft/helicopter information is mentioned on Wiki [1]. Teachers can also download free android apps to gain an idea of RC aircraft controls [2]. Many of the kits would need the students to follow step-by-step instructions to complete well.

Depending on what is purchased any attempt to fly the aircraft will need the assistance and facilities of a local model club [3]. It is recommended that before venturing on this project you talk with your local shop to gain advice and information. Substantial pre-planning would be required for this activity to be successful.



Image Source: Spy Hawk (www.spyhawkfpv.com)

Suggested Website:

- [1] Wiki Link for getting started with RC Aircraft
<http://www.eflightwiki.com/eflightwiki/index.php?title=Portal:Newbies Area>
- [2] Free RC Flight Simulator Android App
<https://play.google.com/store/search?q=RC+Flight+Simulator&c=apps&price=1>
- [3] [Model Aircraft Flying Clubs In Europe](#)