**LESSON PLAN**

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| **Lesson** | Take Off & Climb | **Instructor** |  | **Class/Group** |  |
| **Location** | Maps & Simulation Room | **Date / Time** |       /       | **Equipment** | Flight Sim |

**INTRODUCTION**

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| **Interest** | To develop your piloting skills in preparation for a Gliding Scholarship in the Vigilant |
| **Need** | To learn how to take off from an airfield. |
| **Title**  | Take Off & Climb **REF – FTP 124 (P21)** |
| **Revision** | * Taxying
* Attitudes
* Transition
 | * FRC’s
* Co-ordinated Controls
* Airbrakes
 |
| **Objectives** | * By the end of this lesson you will be able to:
	+ To take off and enter the climb
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| **Scope** | This lesson will last 1 hour |
| **Handouts** |  |

**DEVELOPMENT**

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| **Content** | **Notes** |
| Flight Simulator Scenario: The simulator should be launched using the Grob G109B Vigilant at an appropriate airfield in a parking spot. |
| Each exercise should be followed by the cadet(s) practicing that exercise. |
| **1. Airmanship.** | 5 min. FRC’s and lookout checks are to be done. |
| **2.a. Lining Up.** | 5 min. revise taxying, check circuit, wind direction. |
| **2.b. Ground Roll.** | 15 min. keeping ruder straight, smooth full throttle.  |
| **2.c. Lifting Off.** | 15 min. climb attitude once 55 kts is achieved. |

**CONSOLIDATION**

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| **Summary**The Cadet(s) have now learnt how to take off from an airfield successfully.  |
| **Test Learning**Instruct the cadet to taxy to a runway and then take off once cleared. |
| **Restate Objectives** By the end of this lesson you will be able to:* + To take off and enter the climb
 |
| **Student Questions** |
| **Review and Look Forward**Next lesson: Medium TurnsAIM. To turn onto specific features using up to 30º of bank |