



Beyond The Daily Inspection

EDUCATION MODULE

POINTS

This course is an **EDUCATION** module for

BRONZE

SILVER

GOLD

DIAMOND

HOW TO BOOK

The course can be run by

- BMAA inspector
- BMAA instructor/examiner
- BMAA club providers &
- BMAA mentors

Please see BMAA website for the latest list of providers

COSTS

Please check with your provider.

The BMAA makes no charge but folks giving their time to run the sessions can reasonably expect to be remunerated! Schools & clubs will differ in their costs; please check direct.

OBJECTIVE

To understand the next level of aircraft maintenance, going beyond the Daily Inspection.

BACKGROUND

During the process of training for the GST, pilots learn the skills required for a Daily Inspection. However, few go on to learn the next level of detail in the basic aircraft maintenance.

This course is intended to offer the next step in familiarity with your aircraft and give confidence in managing those niggles. If nothing else, you will learn how to report issues in a more effective manner.

The course covers both general practice and specifics of the type of aircraft the pilot flies and should be both principle as well as practice. Hands on experience will depend on the aircraft available at the provider location; those of you lucky enough to own (or part own) and aircraft can always bring it along for the day

SYLLABUS

This course is designed to run for a minimum of 4 hours and should be a split between theory and practice. But don't stop there if you're having fun!

Theory

The DI – purpose and practice

Practical Health & Safety

- don't lift what you can slide, don't slide what doesn't need to move
- Propellers & humans don't mix

How to report a fault & how to fault find

Where to find the information about your aircraft

- POH
- log books

This makes a great topic for a club session and is a great one to do as a group on a nasty weather day.

- technical information leaflets (TILS)
- Calling in the pros; when do you need professionals
- Aircraft maintenance,
 - BMAA Inspectors
 - BMAA technical team
 - Manufacturers

Knowing your limits

- when to 'phone a friend'
- the cost of getting it wrong (aircraft & pilot)
- What not to touch – no really, don't!

Signoff

- What the rules,
- Guide to Airworthiness TIL64

Practice

A **full** daily inspection

- What should you really be looking for?
- Likely points of failure
- What does 'normal' look like?

Under the 'hood'

- Looking at the engine
- Fuel system
- Oil system
- Coolants & other fluids

Airframe matters

- Signs of trouble
- Wings & things

The stuff that goes wrong away from home base

- Taking a wheel off
- Fixing loose bits
- What's your engine trying to tell you

Useful toolkits

- What should you consider carrying with you (cheap & light versions)

Get out of jail free kit – ideas for your situation

- Fluid, fuses, filters, inner tubes, duct tape & cable ties ...

COMPLETION

Please ask your trainer to sign the Certificate of Attendance verifying that you have covered all the topics above

Send a copy of your completed Certificate of Attendance to the BMAA Wings scheme for approval and accreditation to your Wings record wings@bmaa.org