Introduction to Air Power

Understand the levels of warfare

Define Air power

Understand the attributes of air power

Outline the key air power roles

Understand the armed force air power industry

# Levels of warfare

Strategic – has to be a grand strategy from government

Operational

Tactical

# Air Power is defined as:

“using air capabilities to influence the behaviour of actors (baddies) and the course of events”

# Core airpower attributes

Height

Speed

Reach

# Additional Attributes

Ubiquity – Ability to be everywhere

Agility – moving quickly and easily – ability to adapt to what we need to do

Ability to concentrate – concentrate fire on one area

Flexibility

Cost Effectiveness

Precision

# Constraints of Air Power

Impermanence – Endurance

Limited Payload – only take certain amount

Vulnerability

Fragility  
 Basing  
 Weather

# Air Power Roles

4 fundamental roles:

* Control of the air
* Air Mobility
* Intelligence and situational awareness
* Attack

# Control of the air

* Typhoon
* F35
* Rapier

# Air Mobility

* Hercules Mk4/5
* Globemaster C17
* Voyager
* A400M
* Chinook
* Merlin
* Puma
* Lynx Wildcat

# Intelligence and situational awareness

* Sentry AEW1
* Sentinel R1
* Tornado GR4
* Reaper
* Shadow R1
* P8
* Rivet Joint/Airseeker

# Attack

* Tornado GR4
* Typhoon
* Reaper
* F35
* Apache and Lynx Wildcat

# Weapons

* Sidewinder AIM 9
* ASRAAM
* AMRAAM
* Meteor

## Air to surface

* 1000lb and 540lb bomb
* Paveway II/III
* Paveway IV – GPS
* ALARM
* Storm Shadow
* Brimstone
* Stingray – Looks for targets in the water