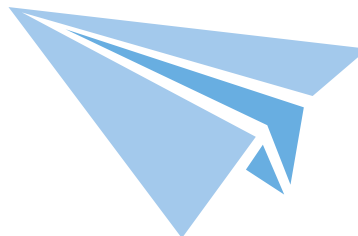


Babcock fleet card game

Materials

- > A4 paper
- > Printer
- > Scissors



Activity Plan

- > Print the Babcock Fleet cards (make sure they are double-sided)
- > Cut along the dotted lines to create your pack of cards.

How to play:

- > Start by shuffling and dealing all of the cards face down. Each player should hold their cards so that they can see the top card only.
- > The player to the dealer's left starts by reading out a category from the first card (e.g. Operating weight, value 1,105kg). The other players then read out the same category from their cards. The one with the winning value collects all the top cards, including their own and moves them to the bottom of their pile. It is then the winners turn to choose a category from the next card.
- > If two or more cards share the top value for that subject then all cards are placed in the middle and the same player chooses again from the next card. The winner of the hand takes the cards in the middle as well.
- > The person with all the cards at the end is the winner.

Winning Values

Introduced	most recent wins
Maximum cruise speed	highest wins
Maximum take off weight	highest wins
Range	furthest wins
Engine Performance	TurboJet or most horsepower wins

Acronyms	
EMS	Emergency Medical Services
FF	Fire Fighting
HP	Horsepower
kg	Kilograms
kts	Knots
km	Meters
O&G	Oil and Gas
SAR	Search and Rescue

Learning Objective

- > Understand what the basic aircraft statistics mean.
- > Recognise aircraft based on their picture and name.
- > Get an idea of what purposes an aircraft can have.



Reflection Questions

- > Which aircraft has the highest take off weight and what purpose does it have?
- > Which aircraft has the most purposes listed at the bottom of the card and why do you think this is?



The importance of knowing your aircraft

Babcock owns and leases a fleet of over 500 aircraft. Our fleet includes a mixture of fixed wing (aeroplanes) and rotary wing (helicopters) aircraft all of which can be adapted for a specific purpose. Understanding the weight, wingspan and cruise speed is important to ensure we use the right aircraft for the right purpose.

We source our aircraft from a variety of manufacturers including Airbus, Bell Flight and Leonardo to ensure that we have the right aircraft and to keep up-to-date with their most recent innovations so that we can provide our customers with the best aircraft to suit their requirements.



Our Fleet Planning Team continually ensures that the business sources the right aircraft for the right mission and maximizes the utility of its fleet throughout its service life with Babcock. They have an understanding of what all of our aircraft do, what customers they operate with and where in the world they are based. This is crucial to guarantee that the correct maintenance is given to each aircraft and that our customers always have the right aircraft, in the right locations, at the right time and in the right configuration.

Did you know that an aircraft's speed is measured in knots? The knot was originally a measurement used by boats which is why it is equal to 1 nautical mile per hour. 1 knot is equal to 1.15078 miles per hour.



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Fleet Cards

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Airbus AS350 (Squirrel)

Introduced	1975
Maximum Cruise Speed	133kts
Maximum Take Off Weight	2,250kg
Range	670km
Engine Performance	848HP

EMS | FF | Civil Protection



Airbus H130

Introduced	2001
Maximum Cruise Speed	128kts
Maximum Take Off Weight	2,427kg
Range	609km
Engine Performance	848HP

EMS



Airbus H135

Introduced	1996
Maximum Cruise Speed	135kts
Maximum Take Off Weight	2,980kg
Range	633km
Engine Performance	1,266HP

EMS | Civil Protection | O&G | Wind Farm



Airbus H145

Introduced	2002
Maximum Cruise Speed	129kts
Maximum Take Off Weight	3,650kg
Range	644km
Engine Performance	1,788HP

EMS | Civil Protection | O&G



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Airbus AS365 (Dauphin)

Introduced	1999
Maximum Cruise Speed	165kts
Maximum Take Off Weight	4,300kg
Range	827km
Engine Performance	1,702HP

EMS | Civil Protection | O&G

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Airbus H175

Introduced	2014
Maximum Cruise Speed	148kts
Maximum Take Off Weight	7,800kg
Range	1,259km
Engine Performance	3,550HP

O&G

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Airbus AS332L2 (Super Puma)

Introduced	2005
Maximum Cruise Speed	141kts
Maximum Take Off Weight	9,299kg
Range	854km
Engine Performance	3,690HP

FF | SAR

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Bell 407

Introduced	1996
Maximum Cruise Speed	133kts
Maximum Take Off Weight	2,381kg
Range	607km
Engine Performance	813HP

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Bell 429 (GlobalRanger)

Bell 412/212

Introduced	2009
Maximum Cruise Speed	142kts
Maximum Take Off Weight	3,175kg
Range	682km
Engine Performance	1,250HP

Introduced	1981
Maximum Cruise Speed	122kts
Maximum Take Off Weight	5,398kg
Range	646km
Engine Performance	1,250HP

EMS

FF | EMS | Civil Protection



Kamov Ka-32

Leonardo AW109

Introduced	1982
Maximum Cruise Speed	124kts
Maximum Take Off Weight	11,000kg
Range	800km
Engine Performance	2,200HP

Introduced	1976
Maximum Cruise Speed	156kts
Maximum Take Off Weight	3,175kg
Range	785km
Engine Performance	1,470HP

FF

EMS | Civil Protection | O&G | Utility



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Leonardo AW169

Introduced	2015
Maximum Cruise Speed	150kts
Maximum Take Off Weight	4,600kg
Range	820km
Engine Performance	2,000HP

EMS



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Leonardo AW139

Introduced	2003
Maximum Cruise Speed	165kts
Maximum Take Off Weight	6,400kg
Range	1,061km
Engine Performance	3,358HP

EMS | SAR | O&G



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MD Helicopters MD500

Introduced	1967
Maximum Cruise Speed	135kts
Maximum Take Off Weight	1,361kg
Range	537km
Engine Performance	420HP

Marine Pilot Transfer



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Sikorsky S-76

Introduced	1996
Maximum Cruise Speed	155kts
Maximum Take Off Weight	5,307kg
Range	796km
Engine Performance	1,844HP

SAR



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Beechcraft T-6 Texan

Introduced	1992
Maximum Cruise Speed	316kts
Maximum Take Off Weight	3,130kg
Range	1,637km
Engine Performance	1,100HP

Flying Training

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Sikorsky S-92

Introduced	2004
Maximum Cruise Speed	165kts
Maximum Take Off Weight	11,861kg
Range	878km
Engine Performance	3,758HP

O&G

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Air Tractor AT802 (Fire Boss)

Introduced	1990
Maximum Cruise Speed	166kts
Maximum Take Off Weight	7,257kg
Range	982km
Engine Performance	1,350HP

Fire Fighting

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Beechcraft King Air 200/250

Introduced	1974
Maximum Cruise Speed	310kts
Maximum Take Off Weight	5,670kg
Range	3,185km
Engine Performance	1,700HP

EMS



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Bombardier LearJet 35

Introduced	1973
Maximum Cruise Speed	459kts
Maximum Take Off Weight	8,300kg
Range	5,015km
Engine Performance	TurboJet

EMS



Cessna Citation Latitude

Introduced	2015
Maximum Cruise Speed	446kts
Maximum Take Off Weight	13,971kg
Range	5,000km
Engine Performance	TurboJet

EMS



Grob 115 Tutor

Introduced	1985
Maximum Cruise Speed	124kts
Maximum Take Off Weight	990kg
Range	1,150km
Engine Performance	180HP

Military Flying Training



Twin Aero Commander 960

Introduced	1973
Maximum Cruise Speed	177kts
Maximum Take Off Weight	4,649kg
Range	2,724km
Engine Performance	717HP

FF | Civil Protection



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Viking Air CL-215

Introduced	1967
Maximum Cruise Speed	194kts
Maximum Take Off Weight	19,890kg
Range	2,427km
Engine Performance	4,760HP

FF

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Vulcanair P68

Introduced	1970
Maximum Cruise Speed	160kts
Maximum Take Off Weight	2,084kg
Range	2,043km
Engine Performance	400HP

SAR

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Viking Air CL-415

Introduced	1994
Maximum Cruise Speed	180kts
Maximum Take Off Weight	19,890kg
Range	2,427km
Engine Performance	4,760HP

FF

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Airbus CN-235

Introduced	1983
Maximum Cruise Speed	243kts
Maximum Take Off Weight	16,100kg
Range	4,355km
Engine Performance	3,500HP

SAR



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Grob 120 TP

Introduced	2010
Maximum Cruise Speed	205kts
Maximum Take Off Weight	1,590kg
Range	1,070km
Engine Performance	456HP

Flying Training



Phenom 100

Introduced	2007
Maximum Cruise Speed	405kts
Maximum Take Off Weight	4,800kg
Range	2,182km
Engine Performance	TurboJet

Flying Training



Airbus H160

Introduced	2019
Maximum Cruise Speed	155kts
Maximum Take Off Weight	5,670kg
Range	880km
Engine Performance	2,600HP

Flying Training



Pilatus PC-21

Introduced	2002
Maximum Cruise Speed	337kts
Maximum Take Off Weight	3,100kg
Range	1,333km
Engine Performance	1,600HP

Flying Training