

# Business

## Guess the Operating System

Look at the picture and guess the operating system.



1



2



3

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## OS New Features

<b>MAC OS X (Snow Leopard)</b>	<b>Windows 7</b>	<b>Ubuntu 9.10</b>
UI: Better stacks, Contextual menus have more options, Exposé can display all windows for a single program & more reliable, higher resolution in instant messaging	UI: New taskbar, new control panel, desktop slideshow, window management enhancements, font management overhauled	UI: New login manager, better bluetooth interface, better DVD playback, better support for Webcams, better command line interface & better sound support.
System: Faster installation, startup, shutdown, Time Machine backup, Smaller footprint, nearly all system apps in 64-bit code. Better multiple processor support and graphic processing.	System: Faster boot speed, better games performance, Multi-touch support, Native WWAN support, enhanced security	Faster bootspeed, EXT 4 now default filing system, free internet storage, sharing and syncing.
Extras: New video support, Out of the box support for Microsoft Exchange, automatic updates for printer drivers	Extras: Calculator rewritten, OfficeOpen XML and ODF support built in, new video player & better backward compatibility.	Extras: New messaging client, annotate PDFs, Office Software update, Web Browser update, new time management software & improved software library
Min Spec: 1GB memory, Intel Core 2 Duo processor, DVD drive for installation & 5GB Install space.	Min Spec: Processor speed: 1Ghz, Memory: 1GB, Graphics memory: 128MB, HDD free space: 16GB	Min Spec: 300 MHz x86 processor, 64 MB of system memory (RAM), 4 GB of disk space, VGA Graphics card & a network or Internet connection
License type: Closed source & approved hardware only	License type: Closed source	License type: Open source
Cost of OS + PC: £491 No screen included Amazon.co.uk	PC £209 + OS upgrade £65. Amazon.co.uk	Cost of OS + PC:£150 (Netbook) Amazon.co.uk

(Cut out pieces for a desk puzzle)

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## Choose the Best Operating System

	1 Graphics Designer
	2 Internet Servers
	3 Small video Production Business
	4 Student
	5 Server farm 3D graphics
	6. General admin office
	7. Highly Secure environment

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## OS Deathmatch Lesson Plan (Including answers)

Procedure	Notes
<p><b>Starter</b> Guess the operating system Students will be split into 3 to 4 groups &amp; asked to work out what the operating systems are.</p> <p><b>Answers</b> 1. Ubuntu Netbook edition 9.10 2. OS X Snow Leopard (MAC OS) 3. Windows 7 (Home Premium)</p> <p>Try and elicit not just the operating system, but also the version.</p>	<p>Timings: 10 mins. Learning Styles: Linguistic, Logical-mathematical &amp; Spatial, ICT</p>
<p><b>Main Activity</b></p> <p><b>Preparation:</b> Cut out puzzle and give out in groups.</p> <ol style="list-style-type: none"><li>1. Lexical support will be provided on the board with key acronyms &amp; words. (See vocabulary below)</li><li>2. Students will be given a vocabulary jigsaw to sort out in groups</li><li>3. Students will solve the puzzle</li><li>4. Students will then be asked what else is important when choosing an operating system and will make notes on a piece of paper. (Using a Mindmap or list)</li><li>5. The teacher will elicit the answers on the board extracting key lexical chunks.</li></ol>	<p>Timings: 20 mins <b>Afl:</b> Teacher questioning, visual inspection of puzzles and visual inspection of brainstorming.</p> <p><b>Learning Styles:</b> Linguistic, Logical-mathematical, Spatial, Intrapersonal, Interpersonal</p> <p><b>Key Skills:</b> Lit / Num / ICT</p> <p><b>Possible answers to brainstorm include:</b></p> <ul style="list-style-type: none"><li>• Range of software available</li><li>• Ease of use</li><li>• Hardware support (Cameras, printers, phones, PDAs etc)</li><li>• Security &amp; Encryption</li><li>• Costs (hinted at already)</li><li>• Ability to customise OS</li><li>• Technical Support of OS</li><li>• Reliance on suppliers</li><li>• Future proofing</li><li>• Benchmarking (Please note accurate benchmarks are not yet available due to the fact that Ubuntu 9.10 has not been released yet and are subject to bias. In a future lesson SS will get the opportunity to conduct their own benchmarks)</li></ul>

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## Plenary

In a quick fire round students will be able to say in groups what they think are the best solutions for each scenario. A number of answers are acceptable, but include:

- Graphics Designer – Mac for better industrial printing separation or PC for budgetary reasons.
- 3d Production company e.g. Pixar for their server farm – Pixar currently use a version of Linux, because it can be customised for 3d graphics calculations.
- Small video production company – PCs for price of processor and availability of reasonably priced software. (A Mac could also be used)
- Internet servers – Linux used by most of the world's servers.
- Strapped for cash student – Linux or PC with certain software (Special student discount available for Windows 7 at £30. Ss have been told about this in a previous lesson.)
- General administration office – PC, because it has MS office which a lot of people are trained on. (Any of the OSes could be used if justified)
- Highly secure environment – Most would use a customised version of Linux, but there are arguments for Macs which have fewer viruses than PCs.

Timings: 10 mins

Afl: Questioning – Students will be asked follow up questions to ensure that they justify their answers.  
Learning Styles: Linguistic, Logical-mathematical, Spatial, Interpersonal

Key Skills: Lit / Num / ICT

## Key Vocabulary

- OS – Operating System
- UI – User Interface, how do you use it?
- System – How is the Operating system performing?
- Extras – What has been added
- Min Spec – Minimum Specification. What do you need to run the OS?