

Business

Guess the Operating System

Look at the picture and guess the operating system.



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OS New Features

MAC OS X (Snow Leopard)	Windows 7	Ubuntu 9.10
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>Starter Guess the operating system Students will be split into 3 to 4 groups & asked to work out what the operating systems are.</p> <p>Answers 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 & Spatial, ICT</p>
<p>Main Activity</p> <p>Preparation: Cut out puzzle and give out in groups.</p> <ol style="list-style-type: none">1. Lexical support will be provided on the board with key acronyms & words. (See vocabulary below)2. Students will be given a vocabulary jigsaw to sort out in groups3. Students will solve the puzzle4. 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)5. The teacher will elicit the answers on the board extracting key lexical chunks.	<p>Timings: 20 mins Afl: Teacher questioning, visual inspection of puzzles and visual inspection of brainstorming.</p> <p>Learning Styles: Linguistic, Logical-mathematical, Spatial, Intrapersonal, Interpersonal</p> <p>Key Skills: Lit / Num / ICT</p> <p>Possible answers to brainstorm include:</p> <ul style="list-style-type: none">• Range of software available• Ease of use• Hardware support (Cameras, printers, phones, PDAs etc)• Security & Encryption• Costs (hinted at already)• Ability to customise OS• Technical Support of OS• Reliance on suppliers• Future proofing• 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)

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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?