Which would you buy? Why?
Damn, it's pretty. We've seen the physical system for some time now, and it looks great. Sleek with its angled front plates (allegedly to make it easier to press those panels as button to both turn the system on and eject discs... though I don't remember the time I pressed a button on a machine to turn on a console...). It has subtle white and blue lighting cues to inform both readiness and potential problems.

**The Controller**

Interestingly, the Dualshock 4 has emerged as a fascinating piece of this hardware story. It does feel good, a little weighty, in your hands, with comfortably beveled analog sticks (even for those that prefer the off-set styling). The triggers are tight and curve the right way. The Share and Options button are almost flush to the face of the controller, which means that you can't accidentally hit them, but also makes them a little awkward to select in some situations.

What's going to be most intriguing in the months ahead is how developers use both the track pad and the big, bright light. For (Universe Online) there's no immediate natural fit for using the track pad, but for

It's big, bulky, boxy, black, and in no danger of bothering the judges at annual industrial design award shows. And few gamers seem to mind. I mean, it's the box, with no faceplate customization or flashing rings. Just one small white Xbox light to indicate it's on. We suspect the size is in part to accommodate the fans and air flow required to keep the system cool, and hopefully avoid the red ring disaster that plagued the 360's entire life.

This initial launch also comes packaged, like it or not, with the new Kinect. This device is similarly blocky, though a little narrower than the 360 version. It packs in its own processors designed to alleviate some of the power bandwidth from the host system, but how that actually impacts performance will emerge over time.
<table>
<thead>
<tr>
<th>Feature</th>
<th>Xbox One</th>
<th>PS4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Price</strong></td>
<td>$499.99</td>
<td>$399.99</td>
</tr>
<tr>
<td><strong>CPU</strong></td>
<td>8-Core 64-bit X86 Jaguar AMD CPU [1.6GHz]</td>
<td>8-Core 64-bit X86 Jaguar AMD CPU [1.6GHz]</td>
</tr>
<tr>
<td><strong>GPU</strong></td>
<td>1.24 TF AMD @ 800MHz, 12 CUs, 16 ROPS</td>
<td>1.84 TF AMD @ 800MHz, 18 CUs, 32 ROPS</td>
</tr>
<tr>
<td><strong>RAM</strong></td>
<td>8GB DDR3 @ 68GB/s + ESRAM @ 102GB/s</td>
<td>8GB GDDR5 @ 176GB/s</td>
</tr>
<tr>
<td><strong>HDD</strong></td>
<td>500GB [Non Upgradeable]</td>
<td>500GB [Upgradeable]</td>
</tr>
<tr>
<td><strong>Optical Drive</strong></td>
<td>Bluray @ 6xCAV</td>
<td>Bluray @ 6xCAV</td>
</tr>
<tr>
<td><strong>USB</strong></td>
<td>USB 3.0 - 3 Ports</td>
<td>USB 3.0 - 2 Ports</td>
</tr>
<tr>
<td><strong>Network</strong></td>
<td>Gigabit Ethernet, IEEE 802.11 B/G/N WiFi Direct</td>
<td>Gigabit Ethernet, IEEE 802.11 B/G/N</td>
</tr>
<tr>
<td><strong>Bluetooth</strong></td>
<td>No</td>
<td>2.1 (EDR)</td>
</tr>
<tr>
<td><strong>A/V Out</strong></td>
<td>HDMI Out (4K Support), Optical Output, IR Port</td>
<td>HDMI Out (4K Support), Optical Output, AUX Port</td>
</tr>
<tr>
<td><strong>A/V In</strong></td>
<td>HDMI In</td>
<td>No</td>
</tr>
<tr>
<td><strong>Region Lock</strong></td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td><strong>External Storage</strong></td>
<td>USB</td>
<td>TBA</td>
</tr>
<tr>
<td><strong>Cloud Storage</strong></td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
SOCIAL WEBSITES ‘HARM A CHILD’S BRAIN’

Top neuroscientist’s warning to parents

PROCESSED MEAT ‘IS TO BLAME FOR ONE IN 30 DEATHS’

Good Life Barbara’s farewell to ton

DEMENTIA RISK FROM SLEEPING TABLETS

Pensioners on pills taken by 1.5m are 50% more likely to be hit, warns Harvard study

82% MORE CHANCE OF DYING IN SURGERY AT WEEKEND

Myleene: Family and friends drank my breast milk

SUPER PILL IS KEY TO LIVING LONGER

Tomato-based drug can fight cancer, arthritis, diabetes and heart disease

HOW BLOOD PRESSURE DRUG BEATS DEMENTIA

Beta-blockers can fight brain disease

BLOOD PRESSURE BREAKTHROUGH

New operation replaces need for daily drugs

ASPİRİN WARDS OFF DEMENTIA

Millions can benefit from everyday pill

WILLS AND KATE’S DAUGHTER WILL BECOME QUEEN

IT’S OFFICIAL: WILLS AND KATE’S DAUGHTER WILL BECOME QUEEN
What is evidence based medicine?

“What evidence-based medicine (EBM) is the process of systematically reviewing, appraising and using clinical research findings to aid the delivery of optimum clinical care to patients.”

Rosenberg & Donald, BMJ, 1995
Quality

- Systematic Reviews
- Randomized Controlled Trials
- Cohort Studies
- Case-Control Studies
- Case Series, Case Reports
- Editorials, Expert Opinion
Exercise 'boosts academic performance' of teenagers

Those who did the most exercise did better academically according to the research.

Intensive exercise improves the academic performance of teenagers, according to new research.

The study, of about 5,000 children, found links between exercise and exam success in English, maths and science.

It found an increase in performance for every extra 17 minutes boys spent exercising.
Asking clinical questions

P – Patient or population
I – Intervention (what you’re going to do)
C – Comparison (must be relevant)
O – Outcome (must matter to the patient/population)
What kind of clinical questions could we ask to investigate this headline?

P – Patient or population
I – Intervention (what you’re going to do)
C – Comparison (must be relevant)
O – Outcome (must matter to the patient/population)
Acquire

- Literature searching
- I’ve got a paper for you to look at

‘Effectiveness of a smartphone application to promote physical activity in primary care: the SMART MOVE randomised controlled trial’

Prior work

Use the ‘PICO’ framework to look at the abstract.

P – Patient or population
I – Intervention
C – Comparison
O – Outcome

Does it have each point clearly identified?
Anything else you want to highlight just now?
Appraise

Take a task, answer the question:

1 a – Was the assignment of patients to treatment randomised?
1 b – Were the groups similar at the start of the trial?
2 a – Aside from the allocated treatment, were groups treated equally?
2 b – Were all patients who entered the trial accounted for? Were they analysed in the groups to which they were randomised?
3 – Were measures objective or were the patients and clinicians kept ‘blind’ to which treatment was being received?
Appraise

Their results:

• What effect does the treatment have?
• If you were a doctor, would you encourage the use of this application?
Apply

• Is this research applicable to our original question?

• Why/why not?

• Would you change this trial methodology if you were going to modify it to answer our question?
Thanks!

Sir Iain Chalmers

Prof Carl Heneghan

Dr Kamal Mahtani

Dr David Nunan

Ms Ruth Davis

My Sixth Formers for their help

& You for your attention!