

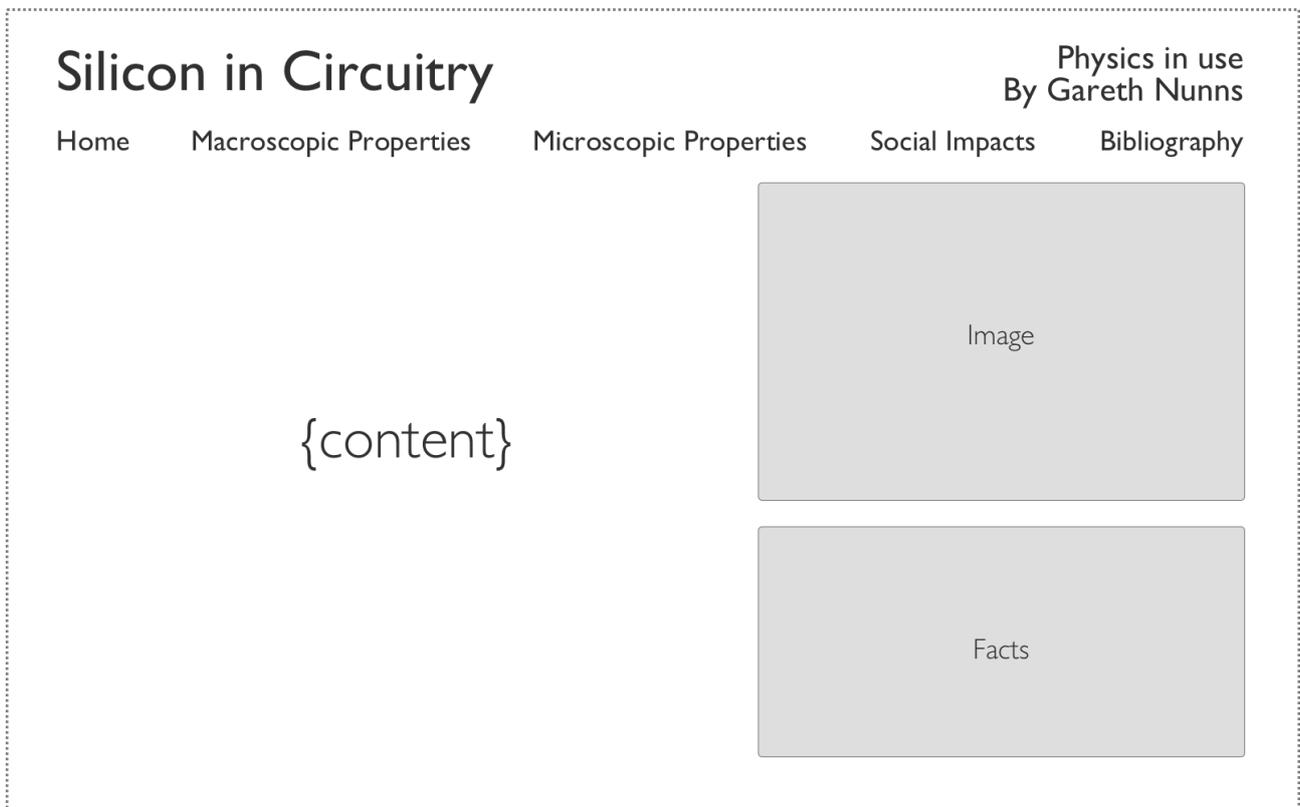
Silicon in Circuitry

Form of presentation

I decided a website would suit my presentation best, reflecting the nature of the subject and allowing a greater level of interactivity. A webpage compliments the silicon well as the user has to be using a computer to view the presentation, which is reliant on silicon in the circuitry. I aim for the presentation to be engaging and go beyond the usual static, simplistic web pages.

Deciding on a design

With this in mind I created this conceptual design:



This was intended to be a minimalistic design; though whilst it conveys the information, it does not fully engage the user.

Considering this, I thought a one page design with full screen parallax images, a little like <http://cyborg.co>, with the text overlaid on pictures of circuits. Whilst this would have been futuristic and engaging for the user, it would have required much more technical work that isn't the focus of the presentation.

I finally decided on a compromise between, minimalism, futurism and ease of production, settling for a style of online presentation based on the Javascript library of Impress.js, working with the editor strut.io. This produces stimulating presentations with immense ease of use and workable code, should I want to tweak it. For the design, I chose a limited colour palette, using colour more powerfully to focus attention or to create contrast. This is important as it subconsciously focusses the user's eyes on the important information on the slides and breaks up blocks of text, without swamping the them with unnecessary distractions. The slides will be minimalistic, uncluttered, really concentrating on the science - more slides with text will be more user friendly compared to fewer and lengthy paragraphs.

Though a price must be paid for this great design: Internet Explorer. To quote '20 things I learned', a web publication by Google:

“ Better browsers mean a better web experience for everyone and that makes happier users who browse the web even more. Better browsers also let companies create web apps with the latest cutting-edge features and that makes users happy, too.

The style of presentation I have chosen relies on some of the newer web technologies that older versions of Internet Explorer (IE) does not support, though there is support for up-to-date IE9 and 10 onwards. As IE usage statistics are continually on the decline and most other browsers support the features, it makes sense to use this style. I want this presentation to be enjoyed for years to come; considering this, it seems counterintuitive to degrade the user experience to accommodate an outdated browser.

Final Project

My project can be found here:

<http://garethnunns.com/silicon>

It is also printed and annexed at the end of this document.

Source Evaluation

As well as the general evaluation in the project, here are some source specific evaluations:

2 <https://www.youtube.com/watch?v=aWVyhzuHnQ>

This is from a major and well resourced program with a large budget to research. This has been online for a while and would likely have been removed had it been inaccurate.

12 http://www.bbc.co.uk/schools/gcsebitesize/science/add_ocr_pre_2011/chemicals/rocksmineralsrev3.shtml

This is a very reputable source, as it is from the BBC, based on trusted material and read by many.

15 <http://www.electronics-tutorials.ws/diode/diode2.gif>

Although this is from a slightly less reliable source, though is a widely recognised scientific diagram.

21 2000, *Advancing Physics* (Institute of Physics Publishing) p124

This source is very trustworthy as it is used by many colleges in the country, written by experts and based on the national curriculum.

27 Ibrahim, Y, 1998, 'In Old England a Silicon Fen: Cambridge as a High-Tech Outpost', *The New York Times* (<http://partners.nytimes.com/library/cyber/week/010498cambridge.html>)

This is a slightly older article though is still true and would have been changed or taken down had it become outdated.

Project Evaluation

I feel the presentation meets its aim: it is a slick, professional and engaging presentation. There is plentiful scientific information, backed by reliable sources, that can be treasured by future generations. As the focus is intended to be upon the science and there are few illustrations, though this supports the simple design and the video is used effectively, an asset irreplaceable with other presentation types.