Day 1) 9/6/15

I decided to do a project on something about my computer, as I am interested in them all how they work.

Ideas:
- Clock speed
- Cores
  - CPU performance
  - Program performance (web browser)

OK
- Not really sure.

Day 2) 10/6/15

I've decided to do a project on the effect of clock speed on CPU performance.

- Do some research.
- I have a 'K' unlocked CPU, so it is possible to look at programs.
Day 3) 11/6/15

If I change the clock speed in the BIOS, I can test the performance of this in certain programs:

- CPU-Z on real clock speed.
- Hardbrake
- 3DMark 11 / PCMark 8
- 7Zip Test
- Cinebench
- WinPacker

Day 4) 12/6/15.

I downloaded some of these programs, worked out how to work, but had some problems with keeping the clock speed to see.

Day 5) 13/6/15

I tried Turbo Clock and I'm no longer having any issues with a clock speed dropping.
Day 6 - 14/6/15.

I had problems achieving a high oc with the stock cooler, so I have to go out and buy one. Otherwise, I am ready to start tests.

- Headache
- 3DMark 11
- Cinebench
- Benchmark Programs
- 7zip
- PCMakr8
- Cinebench Style Thread.

Pause... Day 7 15/6/15.

I got a cooler for my CPU, a Noctua NH-U9B SE2.

Computer Specs:
- Intel - 4670k
- Gigabyte Z87 UD3H
- R9 290 Trix

I'm now ready to start my experiment. I've written my first draft of the report, method, etc.
Day 8) 19/6/15.

- I started my experiment, results have been to see our repetitions and align with the theory.

- I've done 2GHz completely, only 4 more to go.

Day 9) 20/6/15

More testing, done soil of 2.5GHz.

Day 10) 21/6/15

More testing, no problems really. Takes up heaps of time though, and I can't use my PC in the process.

Day 11) 22/6/15.

More testing, but I've been writing up some sections of my report. Finding research was more difficult than I expected.

Day 12) 23/6/15.

More testing. Finished 3.5GHz today. PCMak & telescope on how each anthropeh, which is annoying. Luckily it doesn't require a lot of effort to run.
Day 13  24/6/15.

Tests are over! I've finished getting my results.

Notes with experiment:

1) PC Mode took too long.
2) Keeping the equipment fair was harder than I expected.
   I had to disable all tools that aren't essential
   or not teach to computer for the duration of
   the tests.
3) The results were good. Matched to theory.
4) Repeatability / Reliability was good, all results
   predicted to see similar scores.

Try to write the report...

Day 14  25/6/15.

I've finished my experiment, and I'm happy
with the results I've gotten. I'm just
writing up the report now. I really hope it will be
done. The theory matched the results, the performance
scales linearly, at a bit faster near 1:1 ratio.

I enjoyed doing it, and I might do a similar one soon.