

# Energise Your Future

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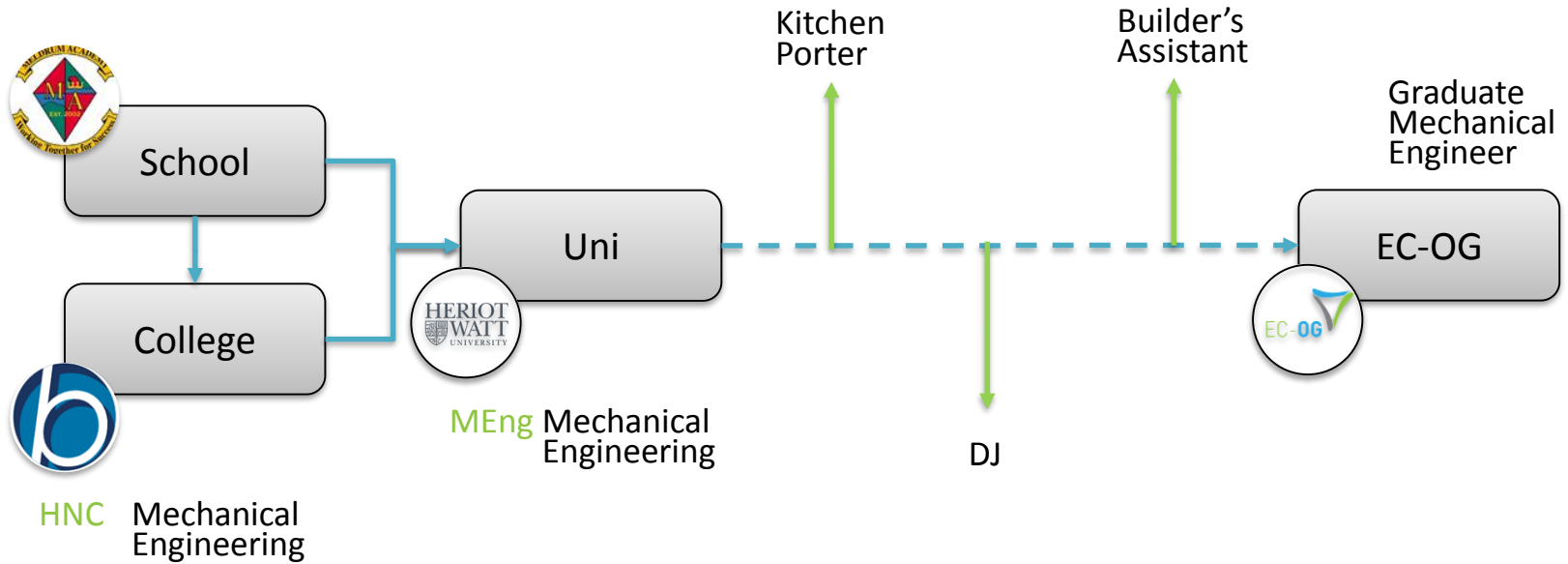
Energise Your Future  
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Prepared by: Jamie Booth / EC-OG

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# Journey to EC-OG

Highers Maths, Physics & Chemistry  
A. Highers Maths & Physics



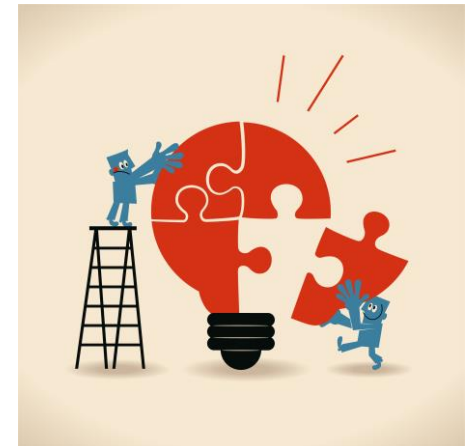
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# Why Engineering?

## Interests:

- Subjects in school;
  - Maths
  - Science
  - Craft & Design
- Interested in how things work
- Problem solving



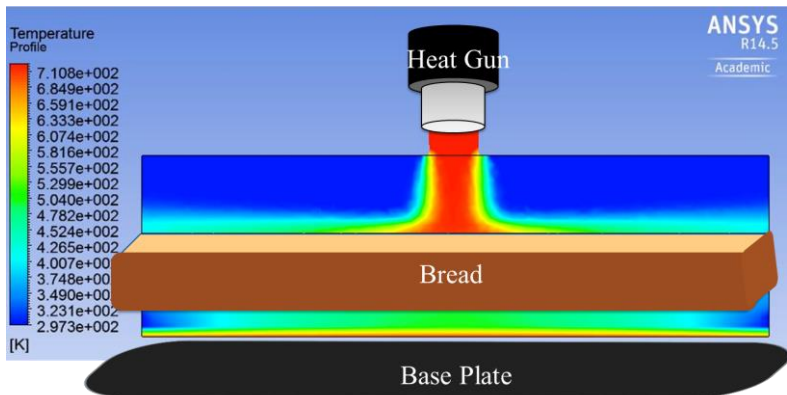
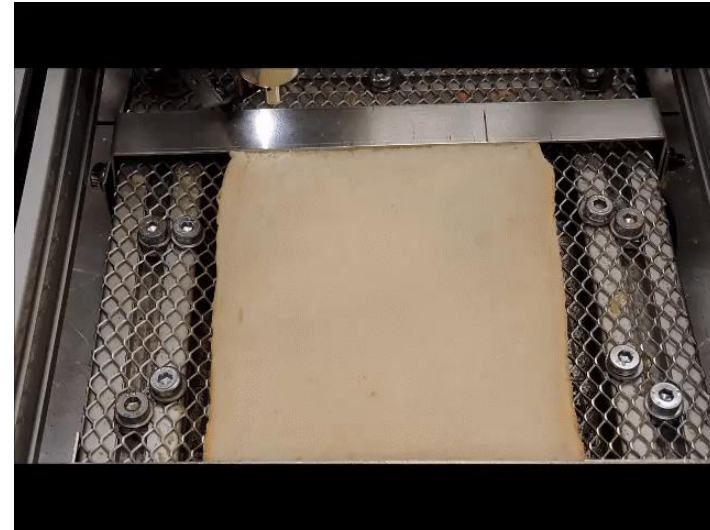
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# What is Engineering?

## Variable message toaster:

- Research
- Design
- Manufacture
- Test
- Evaluate
- Report



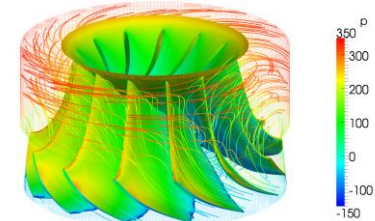
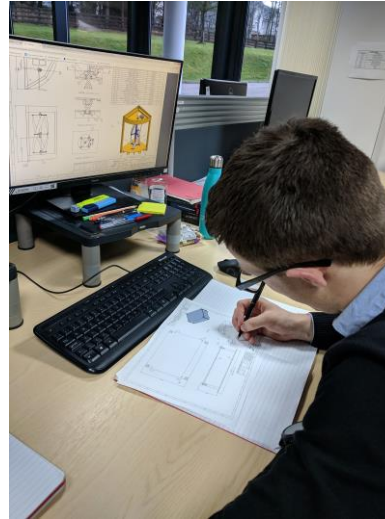
## Considerations:

- Air flow of heat gun
- Regulation of toast colour
- User interface
- MATLAB coding

# Being an Engineer at EC-OG

## Day to day jobs include:

- Engineering calculations
- Designing new technology
- Workshop tasks
- Fluid dynamics
- Report writing
- Reading research papers
- Computing (MATLAB)
- Interacting with clients and suppliers



```
EDITOR  Available  View
File Edit Format View Tools Help
New Open Save Print Run Run and Advance
Help Contents Comment Go To Breakpoints Run Run and Advance
1 %% Code sections are highlighted.
2 % System command are supported...
3 (quit; sample.m
4 % .. as in line continuation.
5 A = [1, 2, 3,... % (mimicking the output is good)
6     4, 5, 6]
7 fid = fopen('testfile.txt', 'w')
8 for i=1:10
9     fprintf(fid, '%6.2f \n', i);
10 end
11 x=1; %% this is just a comment, though
12 % Context-sensitive keywords get highlighted correctly...
13 p = properties(mydate); % (here, properties is a function)
14 x = linspace(0,1,10);
15 y = x*end:-1:1;
16 % ... even in nonsensical code.
17 [end1]([1:(end end)end ])]end (function end
18 % (
19 % block comments are supported
20 %) even
21 runaway block comments
22 are
```



## Why I enjoy my job:

- Contributing to an overall goal
- Learning every day
- Monday to Friday – evenings and weekends free!
- The people
- Designing new technology





**THANK YOU  
FOR LISTENING**

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