



Background

Vocational student support

- Pre-sessional material
- Additional small group support
- Alternative teaching arrangements

Cohorts

- Computer Science
- Sports and Exercise Science
- Engineering





Funding

Thriplow Charitable Trust

Activities 0

FURTHERANCE OF HIGHER EDUCATION AND RESEARCH IN INSTITUTIONS.

Where it operates 0

THROUGHOUT ENGLAND AND WALES

Funding specifically for support of vocational-entry students





Project outline

Employ students as

BTEC/Access mathematics ambassadors

Creating a 'survival guide' for freshers Disciplinebased maths project

alternative orospectus for recruitment

Peer support

Or something else...?



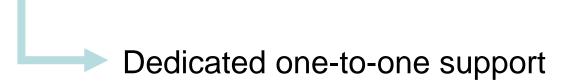


Employed 3 students:

Year 1, Year 2, Final Year

Final Year

Peer support for Year 1 in Transition Maths module



- ✓ Better for student
- ✓ Freed up tutor time





Year 1 and Year 2 CS project approach

Discipline-based content online

Collected feedback informally



MASH CS BTEC Guide

PAGE TREE

- Content Ideas
- · Creating prototype
- Design Ideas
- Feedback
- · Mathematics Content
- MathJax
- Timesheets
- User Requirements
- Writing Mathematics

Pages / MASH CS BTEC Guide Home

User Requirements

Created by Daniel on Feb 11, 2015

Must have

- Design
 - Responsive design (especially tablets)
 - Minimal (spread out)
- Content
 - Introduction
 - Pre-sessional
 - · Course Summary
 - · Maths Covered
 - Contact

Should have

- Design
 - · As interesting as possible (engaging/colourful)
 - CSS3 Transitions?
 - Submit feedback

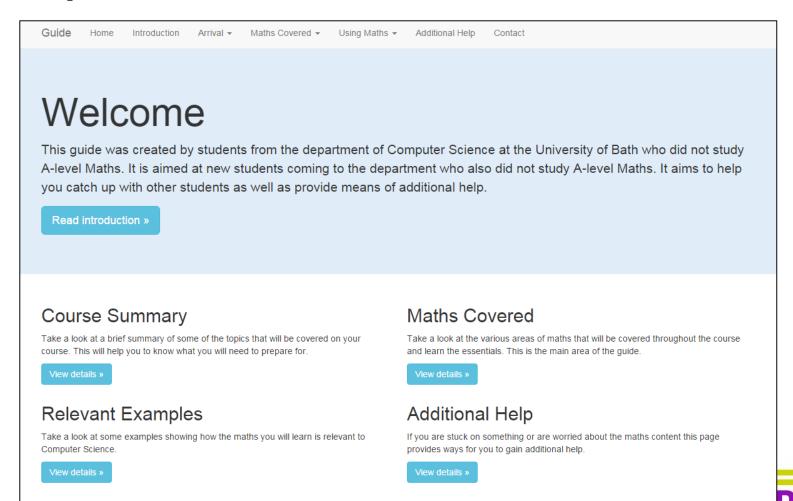
Content

- Relevant examples
- Notations
- · How to write maths
- Additional help

Could have

- Design
 - Search
- Content
 - Glossary



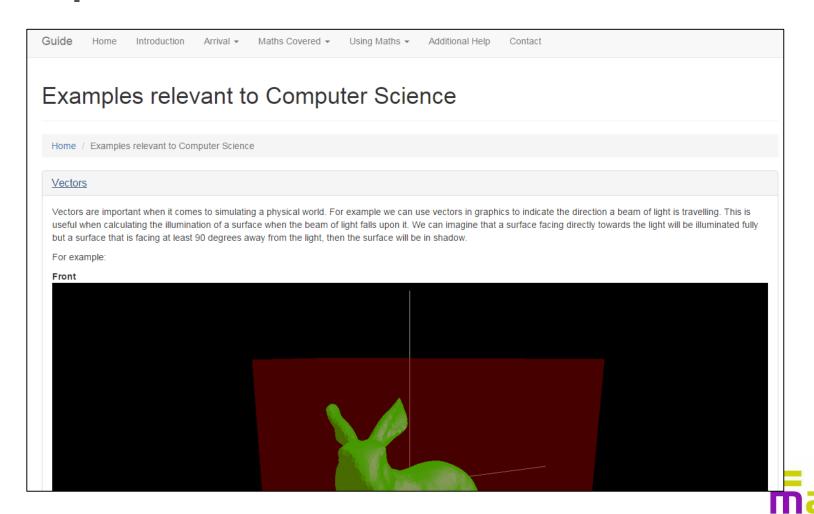




Guide Home Introduction Arrival → Maths Covered → Using Maths → Additional Help Contact
Analytical Mathematics
Home / Maths Covered / Analytical Mathematics
Matrices
A matrix is like an array. For example:
$\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$
We can describe the dimensions of a matrix by rows x columns. For example, a 3 x 3 matrix would look like this:
$\begin{bmatrix} a_{11} & a_{12} & a_{13} \\ b_{21} & b_{22} & b_{23} \\ c_{31} & c_{32} & c_{33} \end{bmatrix}$ Here the entries are labeled with subscripts which say which row, first and column, second, they are in.
Matrix addition and subtraction Matrices can be added and similarly subtracted from each other like so:
If $A=egin{bmatrix} 1 & 2 \ 3 & 4 \end{bmatrix}$ and $B=egin{bmatrix} 4 & 5 \ 6 & 7 \end{bmatrix}$ then
$A+B=egin{bmatrix} 5 & 7 \ 9 & 11 \end{bmatrix}$









Spanner in the works

Digital Marketing & Communications		
We've seen 1s and 0s you wouldn't believe		
Introducing the new Bath CMS Posted by on September 2, 2015	Search this blog Search	
Today the University's new content management system went live, and publishers in departments around the University will begin using it to publish their content to the web.	Categories	
This marks a major milestone in transforming how the University communicates and delivers services digitally.	Beta Blogs	





So....

Hosted on VLE space via GitHub, but...

Survival guide: created for you by current students

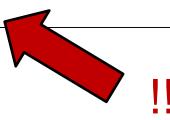
Two current Computer Science students, one in first year and one in second year, who themselves studied BTEC without A level Mathematics before coming to Bath have created a **Survival Guide** to help you through your first year. Please do make use of this! If you are going to the site for the first time you should visit:

Log in and go to Survival Guide

Once you have logged in you will be registered and logged on the Bath GitHub revision control service (you'll need to use this later in your studies). If you are already logged in to GitHub then you should instead visit:

Got to Survival Guide (already logged in to GitHub)

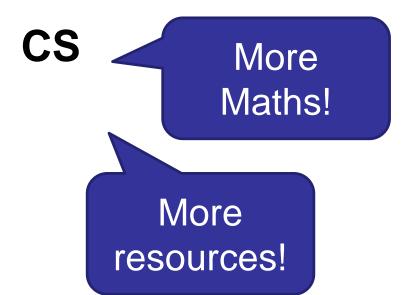
We are trying to sort out this login issue!

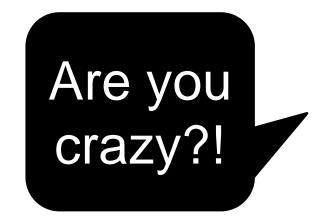






Two very different approaches





SES





Sport and Exercise Science

3 Year 1 students

Engagement with *current* resources, not more of them

Use students who have been through it – important to see them

Needed student input

- Survey
- Focus group







SES – Student feedback

Tell people sooner

BTECs do well

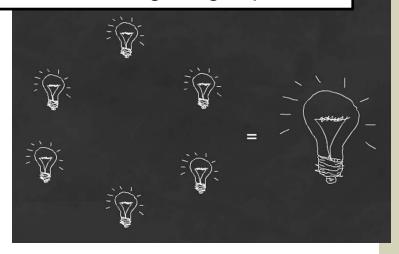
Test in week one

Keep your notes

Weekly quizzes online

Dedicated MASH drop-in

Small change, big impact





. . .



Promotional video



Pre-conceptions
Preparing for university (maths)
Maths module

. . .

Relevance to rest of degree







Survival guide



Information for **BSc/MSci Sports** Entry year





A-Z TIPS FOR GETTING THROUGH YEA

A-levels

If you don't have them, don't worry. This year is all everyone to the same level and there is a lot of sup so. If you are worried though, speak to us. We're al students and have been through it, our emails are leaflet. There are also benefits of having a BTEC bar generally be more used to coursework, which helps management and deadlines. Most units contain cou so this is an easy way to push up your grades.



Biomechanics One of the main SES disciplines and it will require s thinking, it's all relevant to the rest of your degree movement and helps us to understand athletic perfe avoid getting injured.

Calculator

Invest in the suggested one, it will definitely come university exam calculator is a Casio fx-85ES and v eBay for cheap! You are given a calculator for matl use your own, so it's definitely worth getting to kno one as soon as you can.



Organise your time effectively, it will stop you from lectures. In an age where we are reliant on our pho there's no excuses to be missing meetings, lectures vourself.

Eduroam

The university wifi network that is about as reliable charger.

Join your course groups, support pages, add peers and start networking. Our details are on the back page - if you need any advice/ have any questions at any time, find us on Facebook and get in touch!

DOS & DON'TS

DO:

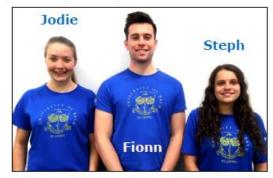
- Complete as much of the pre-sessional material as you can.
- Go to the introduc peers and get to weeks.
- Go along to MASH with anything tha
- Do the problem s module as homey help you!
- Ask for help! If vo will be more than
- Go to all of your harder to catch u
- **ENJOY YOURSELF**

DON'T:

- Feel intimidated, you'll get there in
- Miss lectures bec content is differe always good for a
- Be lazy. Do the w
- Settle for a pass, and your other Y degree will be.
- Worry if you don't not the only one
- Think the maths our course and th point.

AND FINALLY...

We hope you've found this survival guide useful. Here's a picture of us so you will recognise us if you see us around campus...



...along with some idea of the societies and clubs you can join...

























See you soon!!



Lessons learnt

One size does not fit all

Do not be prescriptive



Students know your target audience (they are it!)





Next steps

Resources to be distributed via Student Experience Officers

Ambassadors to attend lecture in week 1 (SES)

Monitor impact





Thank you for listening

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