



#INNOVATIONBEN
PRESENTS

3D PRINTING for INNOVATION
5 Day Course

Welcome Pack

innovationben.com



07515945120

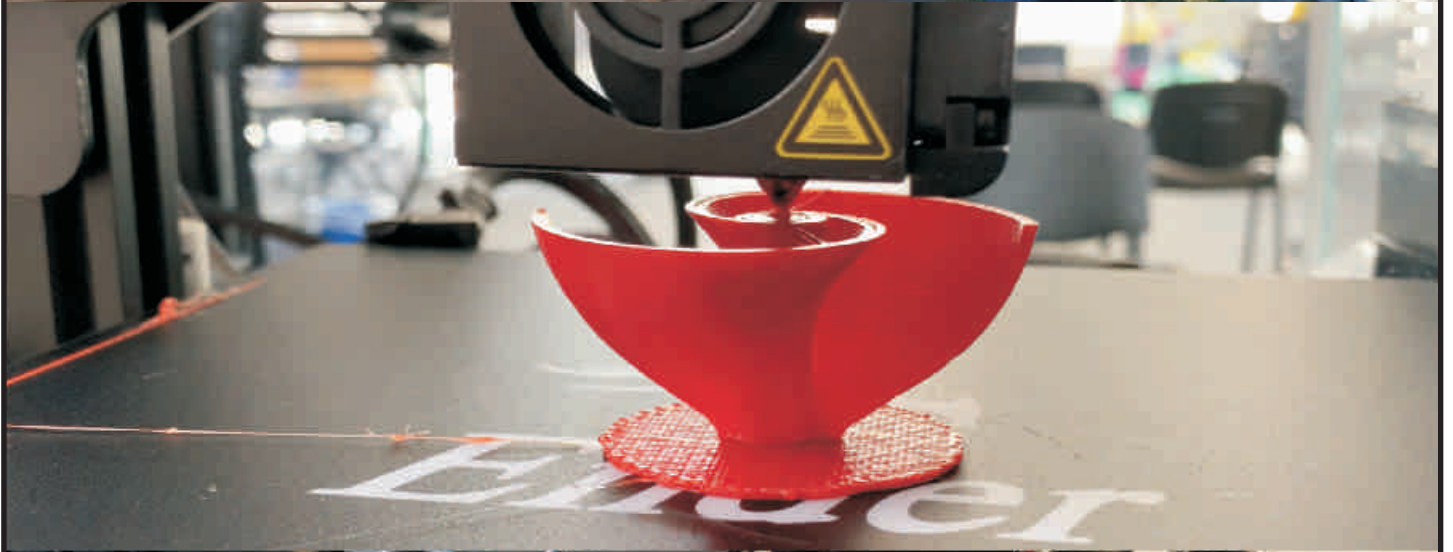
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TEASER IMAGES - The week is going to be AMAZING



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YOUNG INVENTORS: STANDARDS & EXPECTATIONS

Firstly, WELCOME to my 3D Printing for Innovation 5 Day Course!

We want to be clear about the type of environment we want to create, and how we want to interact. This is a place to have great fun and in order for it to be fun for everyone, there are some standards that we insist everyone agrees to.

Obviously the most important thing is that everyone is SAFE. To make sure we stay safe, the following standards are essential. Some of these are to keep us all physically safe and not hurt in our bodies, others are to help keep us emotionally safe so that we aren't hurt in our feelings. At Inventor Club we consider both aspects to be equally important. It matters to us that all our young inventors stay safe from injury, but also feel safe enough to let their inner greatness out. As well as keeping safe, we want to be a group where we create a culture that is



INCLUSIVE
ENCOURAGING
INSPIRING
CREATIVE



We TAKE CARE when using tools, glue etc. We follow safety instructions and wear the appropriate protective gear (safety glasses etc) when instructed to. We LISTEN to each other. We listen carefully to instructions particularly about tools, knives, and other potentially dangerous items in the workshop. We also listen to each other's comments, ideas and suggestions. We use our IMAGINATIONS. Our motto is "NO IDEA IS A BAD IDEA" and we QUESTION EVERYTHING!

We are BRAVE. We share our thoughts & observations even though it's scary sometimes, and if someone isn't quite brave enough yet, we encourage them until they feel safe enough to share their ideas & thoughts and celebrate them when they get there.

We PRAISE each other's ideas and projects. We like to celebrate creativity, madness, and eccentricity! We encourage each other & build each other up, not tear each other down.

We don't TOUCH other people. Some people don't like to be touched and we respect that, and there really should be no need to physically touch each other anyway. We also don't touch other people's projects without their permission.

We FAIL!! We are not here to get everything perfect first time; we are here to discover what happens when it all goes wrong. We will learn from our failures and figure out all kinds of new & exciting stuff along the way.





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WHAT TO EXPECT FROM THE COURSE: STRUCTURE

TIMINGS

3D printing for Innovation runs over 5 days with the basic course outline shown below.

The course timings are as follows:

9:00am - 5:00pm Monday to Friday but we can also accept early drop off and late pick up if you require from 8:00am to 6:00pm, please let us know at the time of booking

There will be several breaks throughout the day to ensure that we can maintain momentum and simply because there's a lot to get through!

	DAY 1 FOUNDATION/RESEARCH	DAY 2 DESIGN/ SKILLS	DAY 3 SKILLS/3D PRINTING	DAY 4 BUILD/TRIAL	DAY 5 TEST/EVALUATION
9:00	Introduction to the week and my background	JUDGEMENT MATRIX	CAD - Generating Parts	Final design/build 1	Part clean up and assembly
9:15	Who you are & Icebreaker	Concept Development & Identification of key printed parts	4		
9:30	What is innovation & how does 3D Printing help?			1	2
9:45	Sketching Skills 1	Introduction to CAD	Intro to 3D Printing & Cura		
10:00	2			1	2
10:15		1	2		
10:30	1			2	2
10:45		Morning Break - 20 mins			
11:00	2	1	2	2	2
11:15					
11:30	2	1	2	2	2
11:45					
12:00	2	1	2	2	2
12:15					
12:30	2	1	2	2	2
12:45					
13:00	2	1	2	2	2
13:15					
13:30	2	1	2	2	2
13:45					
14:00	2	1	2	2	2
14:15					
14:30	2	1	2	2	2
14:45					
15:00	Afternoon Break - 20 mins				
15:15	2	1	2	2	2
15:30					
15:45	2	1	2	2	2
16:00					
16:15	2	1	2	2	2
16:30					
16:45	2	1	2	2	2
17:00					

SESSION FORMAT

My sessions are as interactive as possible to maintain the energy and interest and wherever possible, completely hands on. The plan isn't rigid, more of a guide, we go with the flow and we can switch things up whenever we want to!

ADDITIONAL OPPORTUNITIES

From time to time there will be opportunities to learn from other industry professionals who I bring in to support the work I'm doing. They will be fully checked and vetted and accompanied at all times by myself

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WHAT TO EXPECT FROM THE COURSE: **CONT'D**

WHAT SHOULD I WEAR?

We will be working with hot glue, sticky tape and other messy materials. You should come dressed appropriately, expecting that your clothes might get dirty. We will not reimburse you if your designer clothes become damaged during the sessions! Whilst steel toe caps aren't necessary, closed toed shoes must be worn at all times. Heels, flip flops or other inappropriate footwear is not permitted and you may be asked to leave should you come wearing them. Hair should be tied back where appropriate.

Students and parents must agree to behave in accordance with the code of conduct and our standards at all times.

WHAT SHOULD I BRING?

Beyond enthusiasm, joy and dedication, all other consumable materials are included in the fees. Because of the nature of the work we're doing you'll also need the following items:

Laptop, Mouse, Sketchbook, Pencil, Water bottle, Lunch, Snacks

If your child has any additional items that they need or that makes them feel more comfortable such as ear defenders, they are more than welcome to bring them along.

Often my young inventors like to bring along projects they have been working on. I'm more than happy for this, I love to see what the kids have been up to but please be aware that time is limited with the type of content we have to get through and we have a pretty packed schedule.

DO YOU HAVE INSURANCE?

Yes, we have public liability insurance and are insured up to the value of £5,000,000. We're not planning on having to use it any time soon though!

PARENTS

There is plenty of space at the school so if you'd like to find a quiet space to work whilst we get on with the course, that's absolutely fine. Equally, if you arrive early, you're more than welcome to come in, see what we're up to or wait in another room.





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MEDICAL INFORMATION

GENERAL QUESTIONS

- Do you have any medical or psychological conditions requiring medical treatment? Yes / No
- Do you have asthma? Yes / No
- Do you have diabetes? Yes / No
- Do you have any problems with your eyes or vision (inc. use of glasses or lenses)? Yes / No
- Do you have any problems with your hearing (e.g use of hearing aids)? Yes / No
- Do you have any special education needs? Yes / No
- Do you have any other medical/psychological issues that may affect participation? Yes / No

To the best of your knowledge have you been in contact with any contagious or infectious disease, or suffered from anything in the last four weeks that may be contagious or infectious?
Yes / No

If you answered Yes to any of the above, please provide details of the condition and medication (prescribed, over-the-counter, and natural) below using an additional sheet(s) if necessary

VACCINATIONS When did you last have a tetanus injection?

ALLERGIES Please state any allergies of which the Inventor Club team should be aware

EMERGENCY CONTACT DETAILS

Full Name _____
 Relationship _____
 Phone number _____
 Email _____

ALTERNATIVE EMERGENCY CONTACT DETAILS

Full Name _____
 Relationship _____
 Phone number _____
 Email _____





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MEDIA CONSENT

INNOVATION BEN photographs, records and films a range of activities for use in its publicity materials and other resources. I hereby give consent for INNOVATION BEN to photograph, film and/or record me during INNOVATION BEN activities for archive, promotional, publicity and/or commercial purposes in print or digital media (including INNOVATION BEN & INVENTOR CLUB website, and social media).

This consent extends to organisations working in partnership with INNOVATION BEN.
Conditions of use:

1. INNOVATION BEN will not include full names (which means both first name and surname) of any individual in any digital and/or printed materials.
2. INNOVATIONBEN will not include personal contact details such as email and postal addresses, telephone or fax numbers of any individual to these materials.
3. If INNOVATION BEN uses any images of individuals it will not use the full name of that individual in the accompanying text, photo caption or film credits unless express permission has been sought by INNOVATION BEN. INNOVATION BEN does not accept any responsibility if you are recognised from the image by members of the public.
4. INNOVATION BEN may use the image of any individual to illustrate any wording other than the name of the individual represented in the image used. No wording shall be considered to be attributed to the individual in the image.
5. INNOVATION BEN may use group images with general labels, such as 'INVENTOR CLUB GROUP SESSIONS' etc.
6. INNOVATION BEN will only use images of individuals who are suitably dressed, to reduce the risk of such images being used inappropriately.
7. No remuneration shall be paid under any circumstances to individuals or to their Parents/Guardian(s) in association with the use of images.
8. Copyright of all photographs remains with INVENTOR CLUB & INNOVATION BEN

Student Name & Signature

Parent/Guardian Name & Signature

Date





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DECLARATION

I will inform INNOVATIONBEN as soon as possible of any changes in details or circumstance. I understand that if it becomes apparent whilst attending the INNOVATIONBEN that the member suffers from a known medical or psychological condition, which has not been disclosed herewith, INNOVATIONBEN reserves the right to suspend attendance with immediate effect. I understand that INNOVATIONBEN will not be responsible for the supervision of any medication listed above. I understand that if the situation arises that the member is too ill to continue, INNOVATIONBEN will contact the Parent/Guardian(s) to make arrangements for the member to return to their home as soon as it is convenient.

Printed Name _____

Signature _____

Date _____



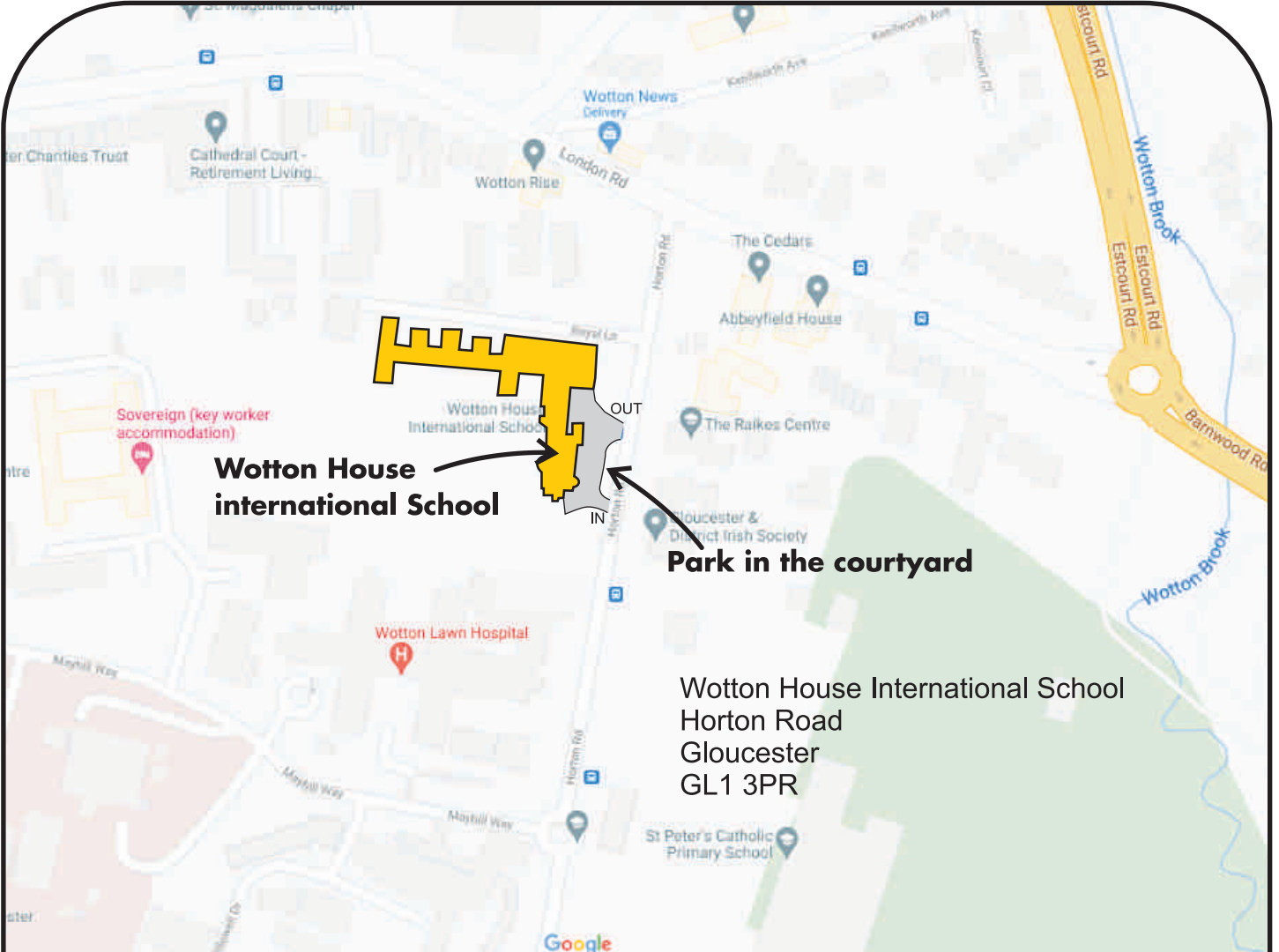
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LOCATION : ADDRESS, PARKING, DIRECTIONS



Wotton House International School is really easy to find, just pop it into Google maps and you can't get lost. The carpark is a horseshoe so please come in the entrance as I've marked it above. There's plenty of space.

Come in the main door shown right. Day 1 we'll meet and greet you all and get you signed in. For the other days I'll meet you at the door and sign you out too.

ADDRESS

Wotton House International School
Horton Road
Gloucester
GL1 3PR



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