



Bolton College

Drone use in the Built environment.



Outline of course & Purpose



GVC DRONE TRAINING COURSE

Our General "Visual Line of Sight" Certificate (GVC) is the training course you'll need to apply to the CAA for your Operational Autorisation.



A2CoFC



Outline of course



This is a 30 GLH drone surveying course aimed at introducing an exploration into the technologies and modern methods used in surveying.

Delegates will have access to the most prestigious technology used in surveying and will gain an insight into the laws and principles of drone use. It will also provide and gives practical experience of using drones and the software needed to prepare reports.

Using a real-world surveying project, learners will complete a final assessment that will help them progress to gain their GVC pilot's license with Copterz.

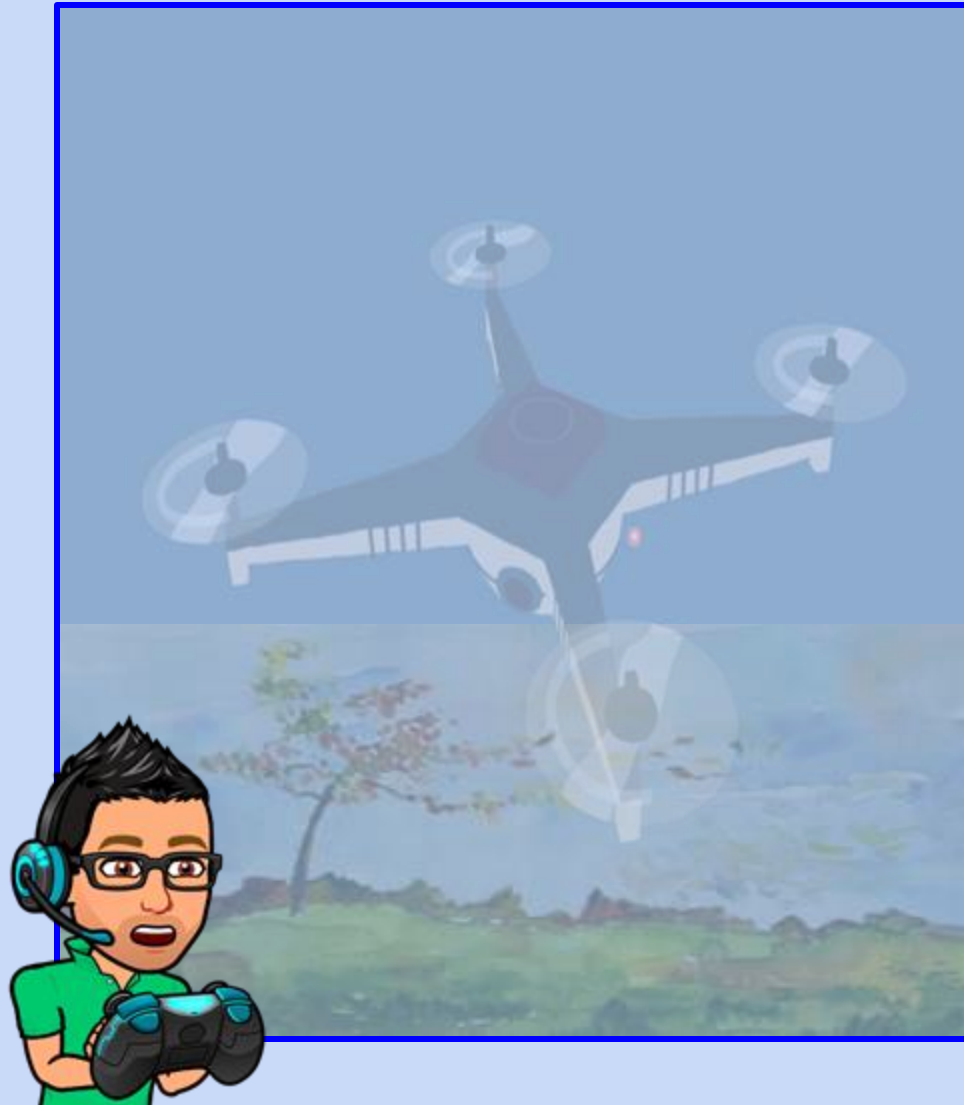


L01: Examine the methods and technologies used in surveying for construction in the Built environment.

- **L01.2:** Explain the types of drones in surveying and the methods associated with this.
- **L01.3:** Identify the laws associated with drone surveying.
- **L01.4:** Explore the causes of errors and techniques to improve accuracy in drone surveying.

L02: explore how to use a drone and produce a report

- L02.1:** Demonstrate the practical skills required to use a drone in surveying.
- L02.2:** report using the appropriate software findings from the survey.



CAA (Civil Aviation Authority)

1. You're responsible for flying safely whenever you fly

Follow this Code to make sure you never put people in danger.

Always be ready in case something should go wrong with your drone or model aircraft.

You could be fined for breaking the law when flying your drone or model aircraft. In the most serious cases, you could be sent to prison.

2. Always keep your drone or model aircraft in direct sight and make sure you have a full view of the surrounding airspace

You must be sure that you'll be able to spot any hazards, in the air or on the ground, and avoid any collisions.

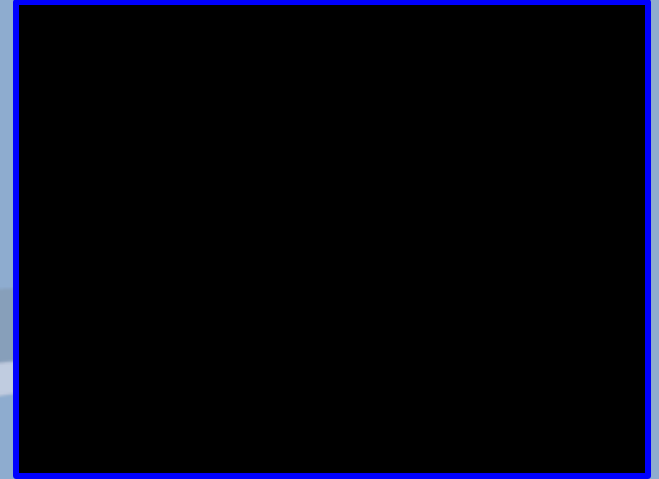
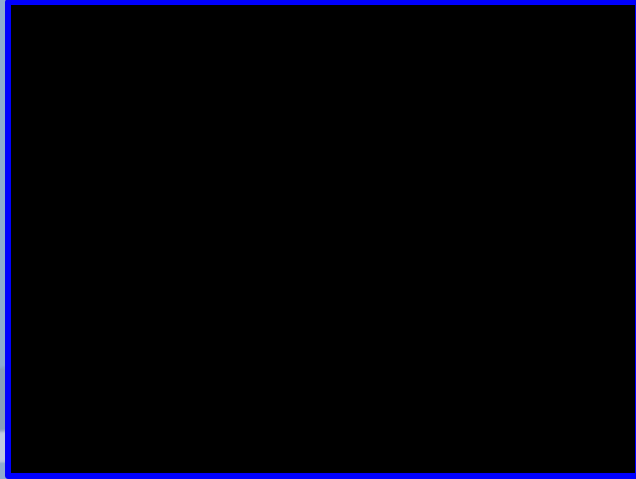
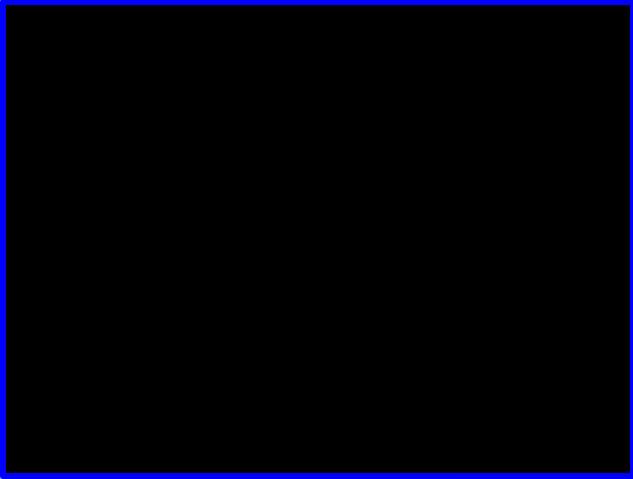
You must be able to see your drone or model aircraft clearly enough that you can tell which way it's facing. This is so that you can steer and control it safely, even if something happens unexpectedly.

You must be able to see it without using:

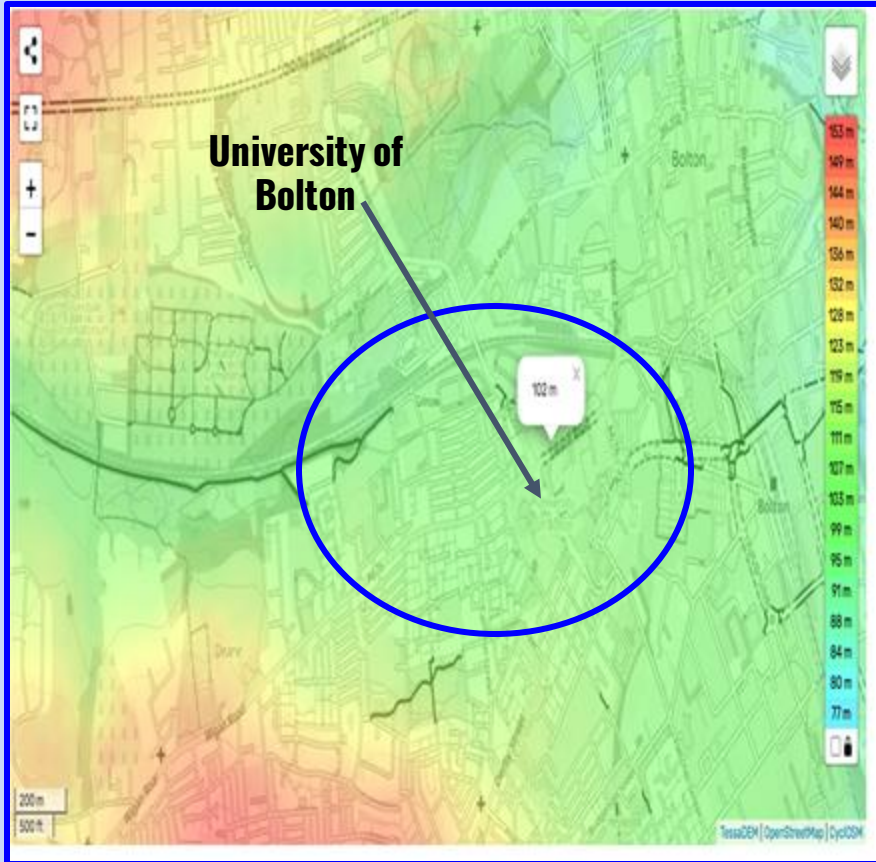
- binoculars
- a telephoto lens
- electronic viewing equipment, such as a smart phone, tablet or video goggles

Using normal glasses and contact lenses is fine.

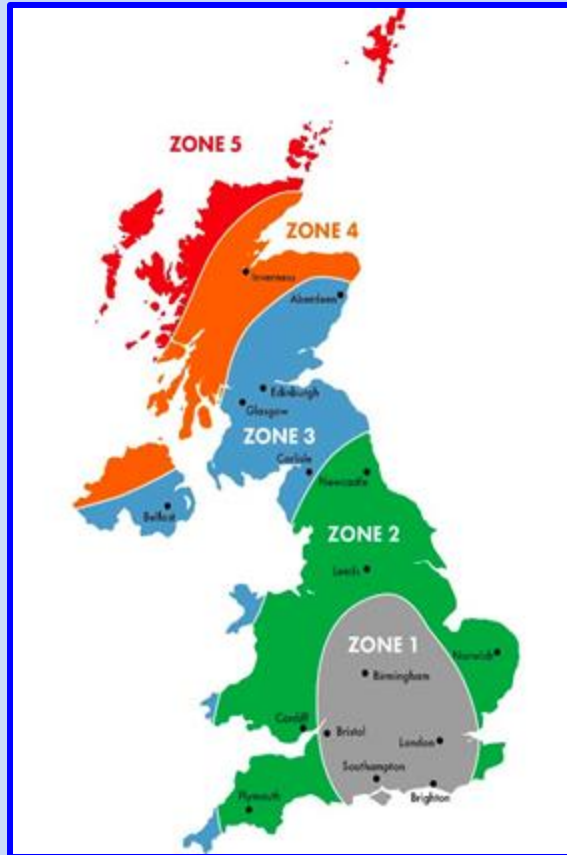
Video footage to offer a taster of what is available



Hidden curriculum



Topography



Wind Zones

Opportunity to use the most up to date drone technology.

Share best practices with peers in the construction industry.

Gain confidence and understanding of how to access further learning such as a HTQ.

Audience.



THE TOP 10 BUSINESS SECTORS UTILISING DRONES:

-  Trades (construction, plumbing) – **11.5%**
-  Manufacturing – **9.9%**
-  Information and communications – **9.1%**
-  Creative and photographic – **8.8%**
-  Transportation – **7.7%**
-  Professional service (e.g. law, accountancy) – **6.6%**
-  Marketing – **5.1%**
-  Education – **4.7%**
-  Retail – **4%**
-  Healthcare (e.g. pharmacy, care home, hospital, etc.) – **3.3%**

Launchpad to Learning

