STEMdrones: Drone Coding Workshop

Drone Coding Workshop

To ensure we can facilitate this workshop and deliver the best experience possible for students we will require the following:

- A **large open indoor space such as a hall/theatre** for at least 1 hour before the start of the event, the duration of the event (approx 4-5 hours), and for at least 30 mins after the event. We typically arrive at school around 7.45am to be ready for a 9am start.
- **Access to a screen/projector for modelling** the activities (we can provide our own, if necessary but we must be made aware in advance).
- **Maximum 30 students per session**, 10 teams (3 students per team)
- **The room to be set up ready for our arrival**, with a double-space table or two connected exam tables available for each team. For example, a session of 30 students would have 10 teams (up to 3 students per team), and therefore need 10 tables and 30 chairs. See attached event image for reference. Direct queries about setup to antony@hyetteducation.com
- **A parking space as near as possible to the workshop space** (there is a lot of equipment).
- **At least 5 minutes between sessions to allow us to reset the room, ready for the next group.**

Key Information

For any enquiries or support preparing for this event, please contact Antony Hyett via antony@hyetteducation.com .

All Hyett Education staff have clear Enhanced DBS checks and it is our policy to have our certificate and ID with us for every visit in schools.

If you require any further documentation from us prior to the visit, please ensure requests are made 5 business days prior to the day of delivery.

See Next Page for Drones Format Options...

Drone Coding Format Options

We can deliver the Drone Coding workshop in two formats. Please see details below and select the most appropriate for your timetable.

Drone Coding Taster Format

- **4 x 60-75 min sessions per day (up to 120 students per day)**
- Drones can have up to 30 students per session in KS2 or KS3
- Covers sequencing from the computing curriculum

Drone Coding Standard Format (Best Experience)

- **3 x 90-105 min sessions per day (up to 90 students per day)**
- Drones can have up to 30 students per session in KS2 or KS3
- Longer session provides more opportunities to use and apply code with their drones
- Covers sequencing, selection and some groups may get on to covering repetition as well as creating functions.

In-Depth Experience*

- 2 x 2 hr sessions/day
- Up to 44 students/day working in pairs
- Up to 66 students/day working in threes
- Challenge map routes included
- Limited availability due to technical differences in the drones and supporting technology.

Media Day Experience*

- 1 x 4 hour session/day
- Up to 32 students/day
- Combination of drone coding and film-editing
- Students code drones to capture aerial footage and edit with software.
- Limited availability due to technical differences in the drones and supporting technology.
- Suitable for KS3+ only

**Prices may be higher than advertised due to the need for additional supporting technology, and more expensive/rarer versions of drones. The equipment required for these sessions is not part of our standard kit so last minute changes to these formats may not be possible.*

REMINDER:

We need 60 minutes to setup at the start of the day. Please also account for 20-25 minutes setup time before the first afternoon session if we've had to vacate the hall during lunch.

See Next Page for Drones Room Setup...

Drone Coding Room Setup Examples

To ensure we are able to setup on time for a 9am start, please set up the toom ready for our arrival, with a double-space table or two connected exam tables available for each team.

In this example, paired exam tables are placed around the perimeter of the room and spaced out to give plenty of space for each group to fly their drones. This session was delivered to teams of threes, rather than pairs, so ten spaces were allocated.

This example shows a session with students working in pairs, again maximising the space by setting out tables around the perimeter of the room, leaving a U-shape formation for the instructor to lead the session from the front.