



Merchant Venturers School of Engineering
Outreach Programme

Minecraft RPi Whac-a-block

Preparation Notes for Teachers

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Published on September 16, 2016

Workshop Summary Notes

- This workshop is intended to last 1 to $1\frac{1}{2}$ hours.
- The workshop is intended for ages 9⁺ (years 5⁺).
- The content is intended to be learnt through self-directed individual work, using the worksheet as guide.
Children can play the resulting game in groups at the end of the workshop.

- The learning platform is Minecraft on the RaspberryPi.

Please note, this workshop does NOT work on Minecraft for Windows, Minecraft for Mac or Minecraft Education Edition.

- Students should already be comfortable playing Minecraft.
This means they should be able to move easily, place and destroy blocks, use items, access the inventory (in Creative mode) and be familiar with the various block types available in the game.
- This document includes some notes about what you need to do to prepare for us to come and run the workshop.

1 Guide

The following notes are guidelines for the things we have thought of or know from experience need to be prepared before we arrive to run the workshop. Please use these notes as an addition to any guidelines and preparation you would normally follow.

Logging on If you have enough RaspberryPis for the whole group, please ensure the children are logged on before we begin the session.

Provision of RaspberryPis If you do not have RaspberryPis for the whole group, please let us know in advance. We are able to provide RaspberryPis, and required screens/keyboards/mice, in order to run the session. If we provide RaspberryPis, we will need to allow at least an additional 30 minutes for handing setting them up and logging everybody on. At least 20 minutes of this we will need the room to be empty so we can set up efficiently and without risk to the children.

Website Access Please ensure your IT administrator has unblocked our Github site: <https://github.com/MVSE-Outreach/> The easiest way to test this is to get a student (not a teacher) to open the websites and attempt to browse them.

Students with special needs We are happy to accommodate students who have special educational needs or disabilities. If you can, please make us aware of any students in the group who might need extra attention and any additional information that will help us make the workshop as enjoyable and successful as possible for them.

DBS Checks Your school or organisation may require valid DBS checks (previously called CRB checks) for our volunteers. Please let us know if this is the case so we complete the process. All of our volunteers are current members of the University of Bristol.

Name List and Contact Information We would very much like to be able to keep in touch with students to encourage them to attend our other free, open outreach events (such as Digimakers). If possible, please supply us with a list of the names of students and their parent's contact information so that we may follow up

with them after the last workshop. We never send spam and we'll only contact parents to let them know about our other outreach events that are available to them.