**Hello World Lesson Plan Template**

**Please replace all blue text before submitting your lesson plan to sian@helloworld.cc.**

**@Title -** 2-6 words

The name of your lesson plan. Please make it short, concise and appealing.

**@Author**

Your name here.

**@Biography**

In around 30 words: What do you do? Who do you work for? Please state if you’re a CAS Community Leader or RPi Certified Educator. Twitter handle.

**@Headshot**

Please attach a jpeg headshot we can use along with your bio. **This needs to be at least 1MB**. Attach in an email, not in this file

Name of attached file: xxx.jpg

**@Standfirst -** 10-25 words

This is the ‘subtitle’ of the lesson plan. What is the idea? How does it work? How is it effective? What does it teach? Here's your chance to engage the reader and tempt them to stick with the article.

**@Equipment requirements - 2 to 5 bullet points**

2 to 5 bullet points on hardware/software/other equipment required to complete this particular lesson plan. No more than 1 to 5 words per bullet point. Eg:

• Raspberry Pi 3

• Scratch 2.0

• Pen & paper

**@Health and safety requirements**

If teachers need to take any health and safety precautions in this lesson please list them here

**@Age range**

**Eg:**

**5-6 years**

Your lesson plan can probably be made appropriate to most age groups, but pick an age group to aim your plan at from the following and delete the others:

• 5-6 years

• 7-10 years

• 11-13 years

• 14-16 years

•  17-19 years

**@Year group/assessment level**

Relevant country information - who did you teach this lesson to?:

E.g.: UK Year 9, US Grade 10

**@Lesson type**

What type of lesson plan is this? Please review the following options and select the one that applies to your particular idea (and delete the others):

• Unplugged (pen and paper)

• Visual / block-based coding

• Text-based programming

• Physical computing

• Project-Based learning

**@Learning Objectives**

1 to 3 bullet points - what will the students learn?

**@Introduction -** 200 words

Overview of the lesson: What will students learn? What will they be doing/making in order to learn? Why is it engaging?

Are there any misconceptions that educators will need to address in this lesson?

Why have you chosen to share this lesson plan? Was it effective? Evaluate your experience with it here

Is there anything else that educators need to know prior to teaching this lesson? Include it here.

The **main content of the lesson plan** follows below. Feel free to repeat or delete sections as relevant (e.g. some lessons may have two main activities)

**@Activity 1/Starter activity - name and timing**

Activity name and timings

E.g. ‘Guess what this piece of code does - 5 minutes’

**@Activity 1/Starter - description**

List the steps that the teacher will need to take when supporting students through the activity. Describe what the teacher will be doing and what the students will be doing. Can you describe the pedagogical approach? (e.g. paired programming, PRIMM, etc.)

E.g.: show code on board, get students to discuss in pairs on their expectation of what will happen, then feedback together as whole class

**@Activity 1 image (optional)**

Filename: xxx.jpg

Please attach as separate file in email

See note at end of document regarding images

**@Activity 2/Main activity - name and timing**

Activity name and timings

E.g. ‘Modify this piece of code so it can do x and y - 45 minutes’

**@Activity 2/Main activity - description**

List the steps that the teacher will need to take when supporting students through the activity. Describe what the teacher will be doing and what the students will be doing. Can you describe the pedagogical approach? (e.g. paired programming, PRIMM, etc.)

E.g.: students work independently to modify code so that...

**@Activity 2 image (optional)**

Filename: xxx.jpg

Please attach as separate file in email

See note at end of document regarding images

**@Activity 3/Plenary activity - name and timing**

Activity name and timings

E.g. ‘Quick mini-whiteboard quiz - 5 minutes’

**@Activity 3/Plenary activity - description**

List the steps that the teacher will need to take when supporting students through the activity. Describe what the teacher will be doing and what the students will be doing. Can you describe the pedagogical approach? (e.g. paired programming, PRIMM, etc.)

E.g.: show these multiple choice questions to the whole class, get individuals to pick from A-C on miniwhiteboards

**@Activity 3 image (optional)**

Filename: xxx.jpg

Please attach as separate file in email

See note at end of document regarding images

**@Assessment**

How will you know whether your students have met the learning objectives? You could include some questions to ask here, or describe other methods you will use to assess progress.

**@Differentiation**

How will you support students with SEN to meet the learning objectives?

What challenges can you include to stretch those who find the activities easier to complete?

Do you have suggestions for ways in which teachers can support students whose first language is not English for this lesson?

**@Relevant links**

Please include:

* Links to any resources - do you have slides etc teachers can use?
* Links to any relevant reading for teachers

**@Illustration**

Provide any further photographs of illustrations to accompany your lesson plan. It could be a diagram, a napkin drawing, a photo of something you’ve made, or a photograph of students working on this lesson.

Name of attached file: xxx.jpg

**@Illustration caption - 10-25 words**

10-25 word caption to accompany the image/illustration

* We take data protection and the safeguarding of children extremely seriously. We also understand how effective images can be in helping to spread our message.

If any **images of children** are included in your submission please tick this box to confirm that you have obtained agreement from their parents to the use of these images in the magazine. Do not delete this box if relevant.

**Image requirements**

At Hello World we really value photographs and illustrations from our contributors and would always prefer to use these over stock images. We are a print and digital publication, which means we need the highest quality images as possible.

* Please ensure you are sending over the **original, non-compressed** image (some email providers will, by default, reduce image size) in **jpeg format where possible**
* As a rule of thumb, images need to be **several MB in size (headshots at least 1MB)**
* When taking **screenshots**, make sure the resolution of your screen is set to its maximum and make the window you are taking a snapshot of as large as possible. If the screenshot includes code please maximise the font size.
* For screenshots from Raspberry Pi you can use raspi2png: <https://github.com/AndrewFromMelbourne/raspi2png>