**Media Worksheet**

The aim of this worksheet is to reskin the classic “Pong” game, using graphics and audio of your choice.

Follow each step in the instructions carefully (the hints and tips given will help you out)

If you get stuck or need any help, just ask.

**Task 1 – Play the game**

First thing’s first, lets have a quick play with the game (note: depending on how your computer is set-up you may have to install the “minim” audio library – so if the game won’t run, ask for help !)

(1) Open up the Pong game by double clicking on the PongGame.pde file

(2) Make sure you are in “Java” mode (see drop-down menu in top right hand corner of window)

|  |  |
| --- | --- |
| (3) The press the “Run” button | ::::::::Desktop:run.jpg |

(4) Use the Z and X keys to move the bat back and forth to hit the ball – Enjoy !

**Task 2 – Graphics**

In this task, we are going to replace the boring original graphics with something more exciting:

(1) Think up a suitable theme for your game – it can be anything you like (film, celebrity, technology)

(2) Search online using Google Image search to find some suitable graphics. You will need:

A background image A “bat” image A “ball” image

(3) Replace the three PNG images inside the “data” folder with the images you have found. Make sure

you save them in PNG format.

(4) If bat and ball images haven’t already got transparent backgrounds use an image editor to fix them

(5) Resize the images to a suitable resolution (you might need to experiment a bit to see what works).

If all the above has been done correctly, you should now have a playable game in your chosen theme.

**Task 3 – Audio**

The problem is that although the game *looks* better, it still *sounds* like the original pong game:

(1) Find some audio – explore an online sound sample repository (for example www.soundbible.com or www.freesound.org) and choose some suitable audio clips to go with your theme.

(2) Once you have some audio clips, save them as mp3s in the “data” folder with the following files:

* bat.mp3 – is the sound played when the ball hits the bat
* wall.mp3 – is the sound played when the ball hits the wall

(3) If you need to trim the audio clip (e.g. if it has silence at the beginning, or is too long) open it up using “Audacity” and edit it. Hint: you will have to export your audio out of Audacity as an mp3 since the “save” function can only be used to create an Audacity Project file.

(4) Check the size of your mp3 file – make sure it isn’t massive (or it will take a long time to load !)

Your game should now sound as good as it looks !