



# Create a Computer Game

**Computer Gaming is one of the biggest entertainment industries in the world with the UK a leading hub of games development. Games such as Total War, GTA, Championship manager, Elite Dangerous and Batman; Arkham are all created here and it is an industry noted for having a shortage of skilled staff.**



## Investigation:

Investigate how you could write a simple computer game in a text based language such as SmallBasic, Greenfoot or a more complex language such as C#. You would need to design, create, test and evaluate your game.

Further information:

<https://www.greenfoot.org>

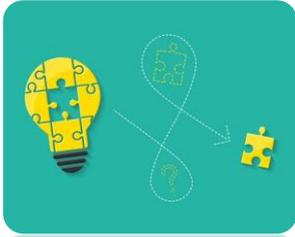
<https://www.smallbasic.com>

<http://gamecodeschool.com/c-sharp-tutorials/>

# Business Enterprise HBacc Project Starter Sheet

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## Solving that problem.....



Being able to identify an everyday problem, and then coming up with solutions as to how to solve that problem is a key skill of any successful Entrepreneur. Some very innovative businesses such as Google (who have a fireman's pole in their office don't you know!) and EE (Who have pool tables, social areas and dress down Fridays for staff) believe that their staff are key to the success of the company. Business such as these value the ideas and opinions of their staff. Did you know that some of the best business ideas come from your normal every day person identifying a problem and coming up with an ideas as to how to solve it.

Can you come up with the next "BIG INNOVATION" or do you see a problem and can you think of a way to solve it? WE NEED YOU.... YES YOU.... THAT'S YOU YEAR 8.....

Are you the BEST, OF THE BEST, OF THE BEST? - Of course you are 😊

### Your project:

If I was to tell you exactly what your project was going to be then that would be no fun now would it? Do you think Richard Branson got to where he is today because someone told him which ideas and businesses to innovate and invest it? Do you think James Dyson made over 200 prototypes of the Dyson vacuum because his Business Studies teacher thought that would be a good idea? No of course not! So am I going to tell you what your project is going to be? Well No I am not, but what can I tell you?

Your project should be based around a problem that is important to YOU, an issue that YOU want to solve. It could be creating a product but it could also be a campaign that you create to educate a group of people, on a topic that is important to you.

### Some potential ideas are below (but you should choose your own):

- You have noticed that lots of students eat too many sweets that they buy from Heron Foods, you worry this is bad for their health.
- You are concerned that there seem to be lack of appreciation for face to face communication and time spent with friends as everyone is now glued to their phones.
- You love to have a fashionable bag but it's not big enough for all of you school books, and you do not want to bring in 2 bags.

### What can you do with those ideas? How can you turn them into a project?

- Job 1: Create a spider diagram of your ideas / problems
- Job 2: Complete some research into what your problem is and the issues it causes
- Job 3: Come up with some potential solutions
- Job 4: Create / design a product or campaign to solve the problem (a video, leaflet, song – the world is your oyster)
- Job 5: Calculate how much your idea will cost

- Job 6: Ask other to evaluate your idea, what did they think? Can you change it or modify it in any way after gaining feedback?

**Further information:**

1. <https://www.edrawsoft.com/spiderdiagram.php> (**spider diagram template**)
2. <http://www.bing.com/videos/search?q=how+to+solve+a+problem&qvvt=how+to+solve+a+problem&view=detail&mid=B48FA6147BEBD1065C1DB48FA6147BEBD1065C1D&FORM=VRDGAR> (**how to solve a problem video**)
3. Use google and find out key facts about your problem – Healthy eating facts (for example) or why do people not eat healthily? Or the impact of an unhealthy diet (This depends on your problem.
4. Do you need advice on how to create a presentation – a member of ICT staff might be able to give you some tips!
5. [www.madeinchina.com](http://www.madeinchina.com) (This website will allow you to cost up materials to make a product)