



What is this study about? This study is called Ordering Pizza Using Internet of Things. Internet of Things is a funny term computer scientists came up with to refer to all the little computers that can be in anything and can all be connected. **Examples include:** Google Home, Cars with Internet Maps, Smart TVs, Smart lightbulbs and many more. The Study My study will be a way of ordering pizza using one of these small computers. Aim: I want to make sure that when you order a pizza using this system you learn something about healthy eating and you have fun using it.





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What do you already know about healthy eating?

- I'm going to give everyone a short quiz, don't worry if you don't know the answers just do your best and we will talk about the answers in a moment.
- Please don't copy or talk to your neighbour about the answers, it's better I know how much you really know than for you to get a higher score dishonestly!

Nutrition Lesson Overview ☐ Basics the purpose of food food groups 5 a day the eatwell plate variety in diet ☐No bad foods and good foods – better choices ☐Does pizza have to be a bad food? ☐ How can we make pizza healthier: □Lets design!



- To fuel us So we can move and function.
- It's good for us good for our bodies and good for our minds.
- Eating is **enjoyable**! Food tastes good so it is a pleasure to eat good
- $\bullet\,$ Eating $\it healthy\, food\, helps\, us\, to\, move\, faster\, and\, for\, longer,\, to\, concentrate\, in\,$ school and learn more. It gives us energy- If we eat good food we will be less tired less often.
- So what does healthy food look like?



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The Eatwell Plate

- · How does it work?
- The Eatwell Guide divides the foods we eat and drink into 5 main food groups.
- Try to choose a variety of different foods from each of the groups to help you get the wide range of nutrients your body needs to stay healthy.

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The Eatwell Plate

- There are 5 sections of the Eatwell Plate:
 - · Fruits and vegetables
 - Potatoes, bread, rice, pasta and other starchy carbohydrates
 - Beans, pulses, fish, eggs, meat and other proteins
 - Dairy and alternatives
 - · Oils and spreads



The Eatwell Plate

- There are **5 sections** of the Eatwell Plate:
 - Fruits and vegetables
 - This is the biggest section, so we should eat the most of this. It is green in the image. About a third of our daily food should be veg.

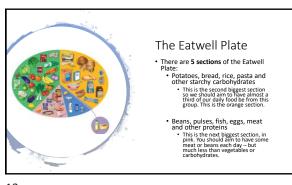
 - veg.

 Everyone should have at least 5 portions of a variety of fruit and vegetables every day.

 One portion is about the amount you can fit in the palm of your hand.

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The Eatwell Plate

- There are 5 sections of the Eatwell Plate:
 - Dairy and alternatives
 This is the blue section it is important to include some but not very much dairy or soya.
 - Oils and spreads
 - This is the smallest purple section. You don't need to include very much oil at all but some oily fat is good to include in a healthy diet.

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The Eatwell Plate

- We also need to aim to drink 6-8 cups of fluid a day.
- Water, lower fat milk, sugarfree drinks including tea and coffee all count.
- · Limit fruit juice and/or smoothies to about half a cup a



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The Eatwell Plate

- It's important to get some fat in your diet, but foods that are high in fat, sall and sugar have been placed outside of the circular image as they're not necessary as part of a healthy, balanced diet and most of us need to cut down on these.
- Unsaturated fats from plant sources (for example, vegetable oil or olive oil) are healthier types of fat.
- These foods include chocolate, cakes, biscuits, sugary soft drinks, ghee and ice cream.
- They're not needed in our diet, so should be eaten less often and in smaller amounts.

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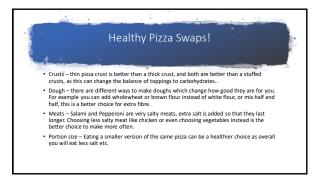


- told you that pizza is bad for you and that can be true, but it depends on a few things:
- How often do you have pizza?
- · What toppings are you choosing? • What type of crust does the pizza have?
- How big is your portion?
 - How much pizza are you eating when you eat it?



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Designing: Components, E-Textiles, Brainstorm Ideas

- Basic Components think about what these could tell the user
 - Lights One colour, multiple colours, flashing lights
 - Making Sound Buzzer, Music player, People Speaking
 - Power Battery to power it
 - Vibrations what can this tell the user?
 Screen show words, graphs, images, cartoons
 - Buttons what can the user tell the design? choices, navigating menus, count how many times a button is pressed or for how long, etc.
 - Switches can turn something on or off or switch between two 'modes'

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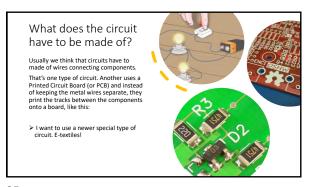


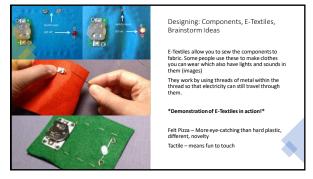
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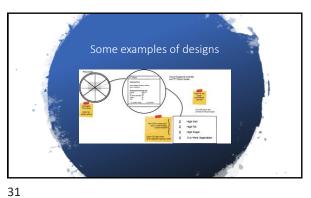






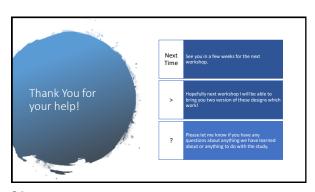


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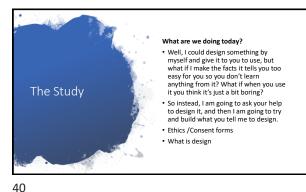






Reminder about study

• Consent , study aim



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Review of first lesson

• Nutrition

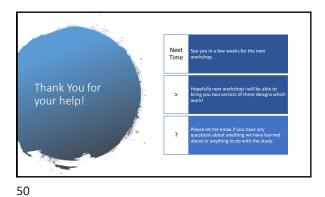
Review of first lesson

• Components

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More about components • Components	What did we design • Success criteria • Two models
43	44
What I made	How it works
45	46
How it works • Prototype 2	Limits — Why can't it do everything we hoped? • Its very common when you design something to find there is a gap between everything you wanted it to do and what you can actually make it do. • An example of this: • Does this mean I've failed? No, its important to know that things can go wrong or not according to plan but just because a small part doesn't work does not mean the whole project is a failure. It just means I have to learn from my mistakes and think of another way to things. • Example:















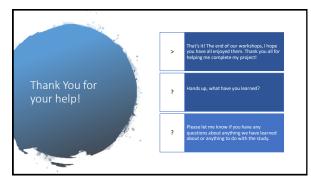
So far we have completed these steps in the design process : 1. 3. **Design Process** The next step is: 5.

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What's Next For the Project • Next I will • Then I will.... • I couldn't have done this without you • (stickers)



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