



20 Home Learning Technology challenges

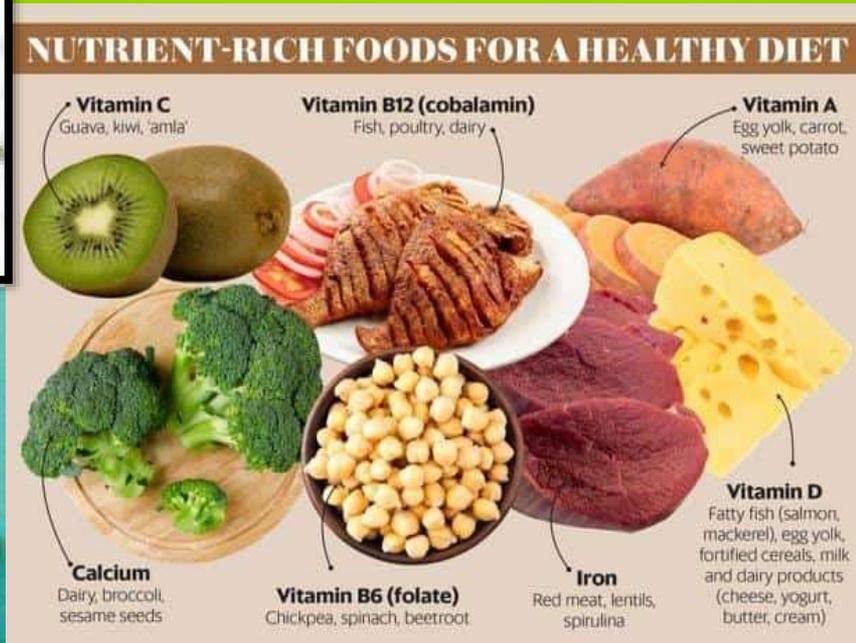
Challenge 1-10: Hospitality and Catering activities

Challenge 11-20: D&T/ Engineering activities

It is completely up to you which activity you complete. Try to complete one activity a week and email to your teacher.

Challenge 1: Nutritional analysis of a meal

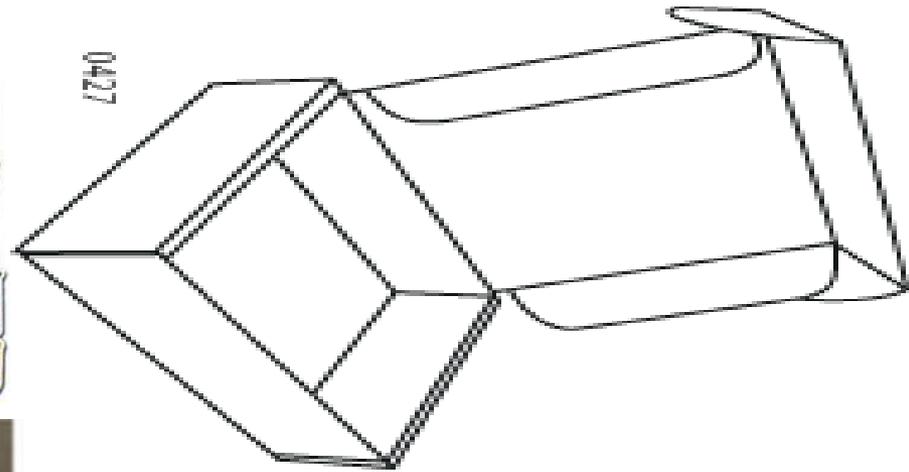
Think about the last meal which you ate. What nutrients were in this? Did it have any protein, carbohydrates or fats? What ingredients were these in? What does the body need these nutrients for?



Challenge 2: Food Packaging

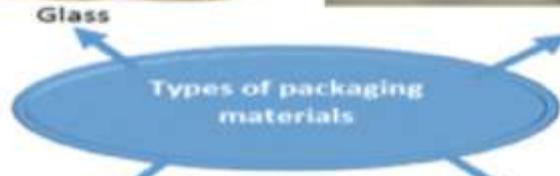
How would you design packaging for the last thing you ate? What brand/ logos would be included? What information will be on the packaging? What will the packaging be made from? Why?

Extension: Can you make your packaging?



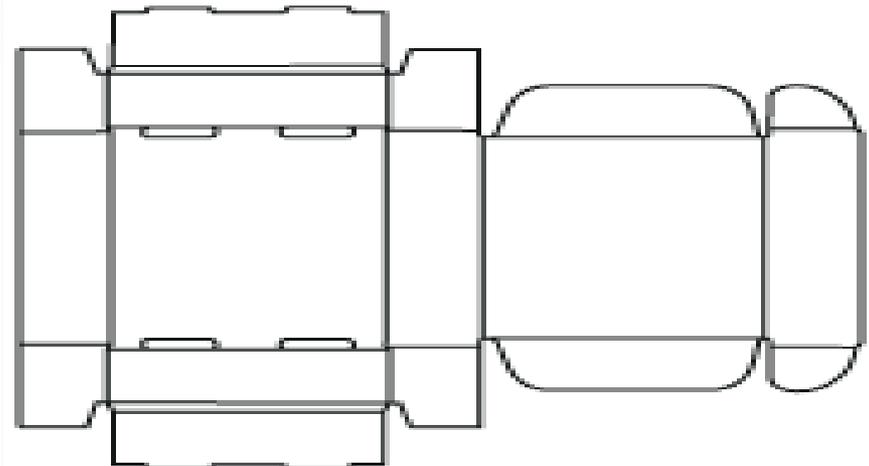
Glass

Paper



Metal

Plastic



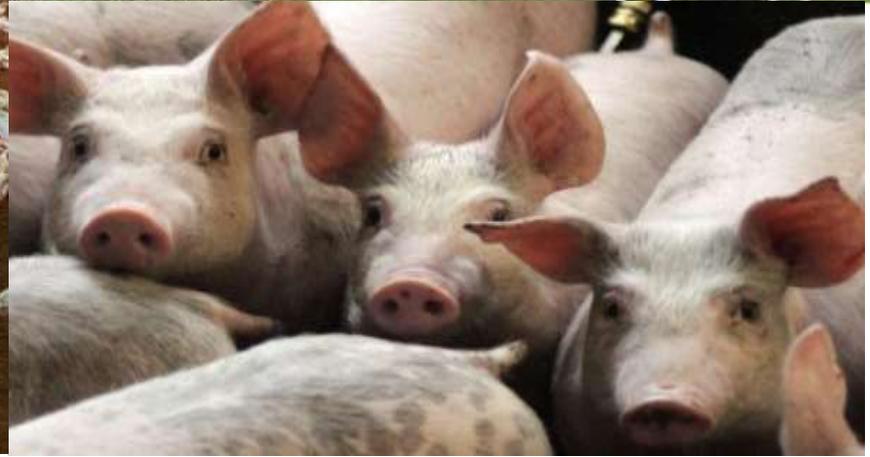
Challenge 3: Multicultural foods

Choose a country from around the world and suggest a traditional dish which is served there. How is this cooked? What ingredients does it include? What festivals/ celebrations is it served at?



Challenge 4: Food production

How is food made? Choose an ingredient and research how it is made. Think about primary and secondary processing. Look at 'Jimmys food factory' or 'the food factory' on the internet to help.



Challenge 5: Menu design

Redesign the menu for your favourite restaurant/ takeaway business. What is shown on the menu? How are dishes made appealing to customers? What fonts/ colours are used?

THE MENU

APPETIZER		OUR FAVORITE MENU \$22	
SEALED BREAD	1	STEAK BURRITO	
CHICKEN	1	SMOKE CHICKEN	
MEXICAN CHIPS	1	PHILLY STEAKS AND FRIES	

PASTA		PIZZA	
MEAT SAUSAGE	12	MEAT PIZZA	12
CHICKEN SAUSAGE	12	VEGETARIAN PIZZA	12
PASTA CARBONARA	12	VEGETARIAN PIZZA	12
LOBSTER	12	VEGETARIAN PIZZA	12

BEST TASTE

- WOLFEBA STEAK
- CHICKEN BURRITO
- SMOKE CHICKEN
- PHILLY STEAKS AND FRIES

OPEN HOUR
10 AM / PM

TEMPLATES TEXT DRAFTS

SEARCH RESTAURANTS

THE FINE

Dinner Family Menu

APPAR

Dinner Family Menu

MEAT & POTATO

Dinner Family Menu

Telly & Nona

Dinner Family Menu

Menu

Dinner Family Menu

Menu

Dinner Family Menu





APPETIZERS	ENTREES	PIZZA & PASTA
<p>SUPREME SATCHES \$6.99 Choose chicken or fish, with cheese, mushrooms, onion, tomatoes, jalapeno and sour cream.</p> <p>CHEESE QUESADILLA \$4.50 Flour tortilla with three types of cheese, mushrooms, salsa and sour cream.</p> <p>POTATO SKINS \$7.99 With mozzarella, cheddar and bacon.</p> <p>CHICKEN FINGERS \$3.99 Beer battered chicken with honey dip or ranch dipping sauce.</p> <p>MOZZARELLA STEAK \$4.25 Beer battered mozzarella cheese with marinara sauce.</p> <p>SWEET POTATO FRIES \$3.75 Hand cut fries with honey dip or dipping sauce.</p> <p>CHICKEN WINGS \$4.99 Choose mild, hot, barbecue or teriyaki.</p> <p>STUFFED BRATISLAVSKA \$3.50 Choose plain cheese or pepperoni.</p> <p>CHEESE SALAD \$6.00 Creamy, smoked turkey, ham, tomatoes, egg and cucumber.</p> <p>GRILLED CHICKEN CAESAR SALAD \$3.50 Creamy, parmesan and garlic croutons.</p>	<p>CHICKEN STRIPS \$6.75 All-choleum chicken breast with ranch or honey mustard.</p> <p>GRILLED LIVER & ONIONS \$2.99 With bacon, served with steamed fresh vegetables.</p> <p>HOMESTEAD MEATLOAF \$7.99 Topped with mushrooms and onions, served with steamed fresh vegetables.</p> <p>CR FRIED CHICKEN \$7.99 First choice served with sides.</p> <p>TURKEY POT PIE \$3.50 Made with all breast meat, carrots, potatoes, peas, and green beans in a flaky crust.</p> <p>FISH AND CHIPS \$6.75 Alaskan halibut battered and fried, with homemade tartar sauce.</p> <p>GRILLED SALMON \$6.50 Wild Alaska salmon with honey mustard sauce.</p> <p>FISH CHIPS \$6.75 Battered in house skin sauce, served with baked mashed potatoes.</p> <p>PEPPER STEAK \$6.25 Grilled sirloin steak marinated with pepper and wine sauce, served on mashed potatoes.</p>	<p>FOUR CHEESE PIZZA 11.75 Basil, mozzarella, ricotta, parmesan and tomato sauce.</p> <p>PEPPERONI PIZZA 11.50 Marinara, pepperoni and mozzarella.</p> <p>HAWAIIAN PIZZA 11.50 Sweet sauce, fresh pineapple and mozzarella.</p> <p>VEGGIE PIZZA 12.25 Onions, bell peppers, mushrooms and olives with garlic or marinara.</p> <p>SPAGHETTI \$3.50 With meaty tomato bolognese sauce.</p> <p>CHILI MAC \$4.99 Hot beef chili, cheddar, topped with parmesan.</p> <p>CHEESE RAVIOLI \$7.75 In tomato basil marinara sauce.</p> <p>GRILLED CHICKEN PASTA \$6.00 Chicken breast in tomato basil marinara sauce, topped with linguine.</p> <p>SHRIMP LETTUCEPIPI ALFREDO \$6.50 Buttery shrimp in Alfredo sauce, topped with parmesan.</p>

LOMBARDO'S

Lunch MENU

Einstein's
MONDAY-FRIDAY
12-5PM

EINSTEIN'S FRITZ SHOP	
<p>BATTERED FISH \$3.99 Swedish, beer-battered cod, served with chunky chips, creamy peas and tangy German remoulade.</p> <p>BATTERED SAUSAGE \$3.99 Two beer-battered Swedish sausages, served with chunky chips and creamy peas.</p> <p>STEAK & ALE PIE \$3.99 A smaller slice of our classic pie, served with chunky chips, creamy peas and green or creamy mash, roasted veggie and gravy.</p>	<p>FISHCAKE \$4.99 A golden, bread-crumbed fishcake, fishcake, served with chunky chips, creamy peas and tangy German remoulade.</p> <p>GAMMON & EGG \$3.99 Locally-sourced gammon steak, served with chunky chips and a fried egg.</p> <p>HALLLOUMI FRITTERS \$3.99 Three slices of beer-battered halloumi, served with fries, mozzarella and an tangy German remoulade.</p>

VIA Vignette Option

BRUNCH ZEIT!	
<p>SUNNY CHICKEN \$5.99 Flour-dusted chicken breast, topped with golden chicken, asparagus spears, served on a bed of salad and drizzled with mustard mayo.</p> <p>ELSA'S HASH \$3.99 Fried new potatoes, German Kasserl, onions and green, topped with a fried egg.</p> <p>MARIE'S HASH \$3.99 A poached egg, mashed potatoes and bacon, on roasted potatoes, served with a sweet mustard dressing.</p>	<p>JÄGER WURST \$5.99 An original German Frankfurter, smothered in creamy liver sauce, served with new potatoes and caramelized onions, cream sauce.</p> <p>SOMMER SALAT \$3.99 Mixed leaf salad, seasonal vegetables and sliced avocado, with French-style dressing.</p> <p>MINI MARGHERITA \$3.99 A smaller, more-baked margherita, topped with tomato and mozzarella.</p>

NEW YEARS EVE 2019

3 courses £30 - 2 courses £25

Starters

HOMESTEAD CARROT & PARSNIP SOUP
With a warm crusty roll & butter (GF)

CHEESE LIVER PASTRY
Served with salad garnish, homemade red-curry chutney & toasted sour dough

TRUFFLED BEAN
Served with sour dough toast, sticky fig relish & parmesan (V GF)

CREAMY GARLIC WOLF MUSHROOMS
Served with fresh focaccia bread & parmesan (GF) (V GF), (W or request)

Main

Slow Baked Blade of Beef
Served on a bed of wholegrain mustard mash, with a red onion marmalade, rich red wine jus and fresh vegetables (GF)

ROAST ROLLER LEGS SUNDRIES
Served with roast potato, creamy mashed potato, rich meat gravy and fresh vegetables (GF)

PAN FRIED SEA BASS
Served on a bed of roasted mixed vegetables with new potatoes (V GF)

BEVERLY & COASTS CHICKEN TARTLET
Served with buttered new potatoes and fresh vegetables (V)

2019 CHRISTMAS & NEW YEAR

127



Attercliffe Road - Pomeroy - Flegg - Burton
Duck-chips - SK17 9QG
Tel: 01296 855129

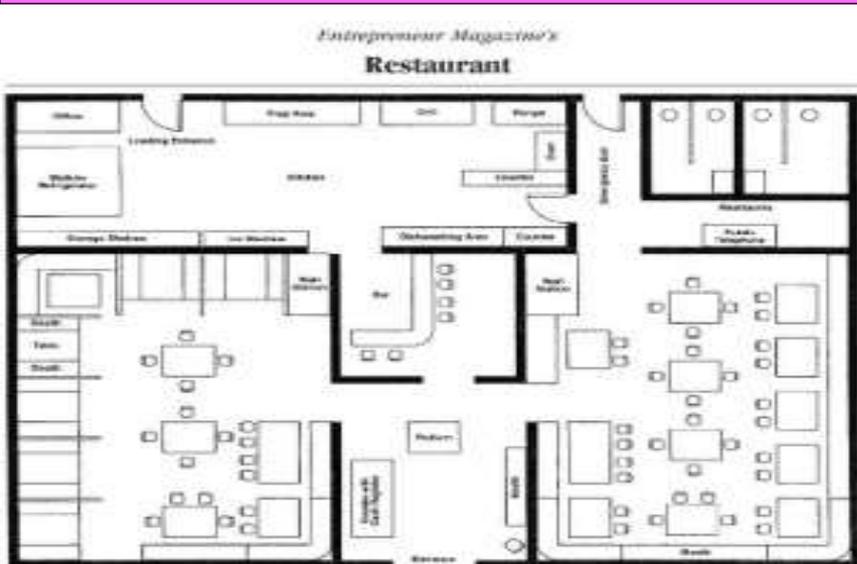


Minimum of 48 hours notice required.
Deposit of £10 per person when booking.
Christmas Menu available from 26th November to 23rd December 2019.

info@thedukeofyorkpomeroy.co.uk
www.thedukeofyorkpomeroy.co.uk
Find us on Facebook

Challenge 6: Business investment

Imagine you have been given £1million to invest in a hospitality business? Will it be a pub/ restaurant/ café/ hotel/ other hospitality/ catering business? What would you serve? How will the business look? What different staff will you have?



Challenge 7: Ethical diets

What is a vegetarian diet? Why are different people vegetarian? Research/ produce a vegetarian recipe by adapting a current dish. Suggest the health benefits/ changes needed with a vegetarian diet.

Vegetarian & Vegan Diet Pyramid



Challenge 8: Medical special diets

Research what the health implications are for a specific special diet. This could be lactose intolerance, coeliac, or low fat diet. Suggest alternative ingredients and how the special diet affects the body.

Nuts Coconut Shellfish Seeds Mango

- ❗ I have a life-threatening allergy to all nuts (almonds, cashews, walnuts, pine nuts, hazelnuts, pecans, pistachios, chestnuts), nut oils, coconut (coconut oil, coconut milk), shellfish (lobster, shrimp, clams, crab, mussels, oysters, scallops), seeds (poppy, sunflower, flax, sesame) and mango.
- ⊕ If I eat this food or any food that has been cooked with it or touched it, I will need immediate medical attention.
- ❓ Does this food contain any of the foods listed above?



Challenge 9: Food critic review

Imagine you are a food critic. Write a review for the last food which you ate. Include opinions on the presentation, service, flavours, the surroundings where it was eaten and your overall recommendations (or not!)

le, Victorville, CA

ends

view

★★★★★ 9/13/2018

Great place for the locals. The food is great and had a party of 6 and everyone loved everything ordered, especially the steak special which I would recommend if you are in Vegas.

Adam C. voted for this review

💡 Useful 1

😊 Funny

😎 Cool

Olivia C.
Chicago, IL
\$1.3k friends
2 reviews
1 photo

- Share review
- Embed review
- Complaints
- Send message
- Follow Olivia C.

★★★★★ 11/1/2018

I really hate to leave bad reviews, but the service here was an incredibly bad last week that I had to. The hostess (Alicia? Alysa?) was the rudest I have ever encountered. And I mean that. Not just "meh rude." She was on purpose, creatively rude. She found a way to have an attitude about every single interaction. We got there pretty much when they opened and the place was empty. Asked for a table for 7. She rolled her eyes when we said we didn't have a reservation and said she "guessed" she could seat us. Took us upstairs, where we were the only people in sight. It was very very warm and she was about to seat us in the sun. I wouldn't have minded, but our friend has two small children, and he asked if we could move to a shaded table right next to the one in the sun. She stared at him like he was speaking gibberish and then said "no." Our friend is the nicest guy in the world but even he was a little taken aback. He said "Please? My kids are going to be pretty hot. I can move the silverware over to the other table, you don't even have to worry about it." She rolled her eyes again and said "I mean, I guess. If you want that table, it really doesn't matter to me." If it doesn't matter to you, why did you say no? I could go on and on. At one point my husband and I were literally laughing because her attitude was so outrageous. Maybe she was having a bad day. But dude I've worked in service, and sometimes you have to suck it up. As the hostess, you're the first impression of a restaurant, and if this is the impression they want to give...well, mission accomplished. We won't be back.



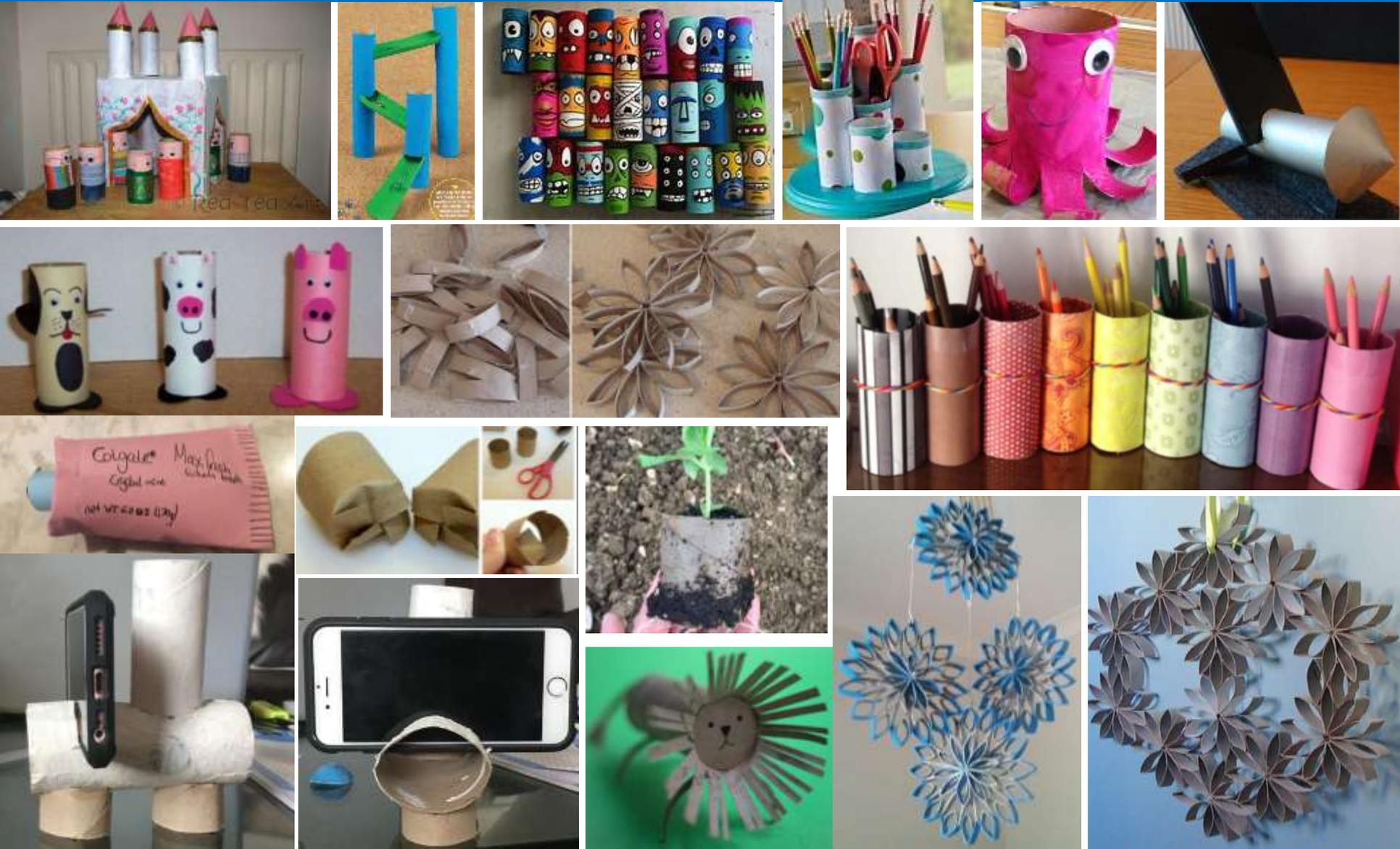
Challenge 10: Making food!

Make one of Mr Fawcetts recipes set through show my homework! Remember to send the photos!



Challenge 11: How creative can you be with a toilet tube...

Use whatever junk materials you can find at home and create a fabulous model. Take a picture of it (from lots of different angles) and upload it onto Show My Homework – show me how creative you can be!
Enjoy the challenge!



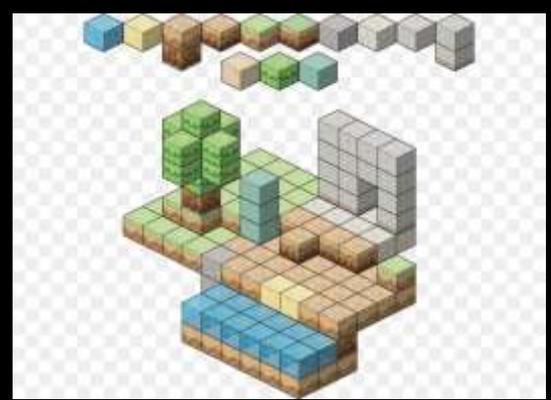
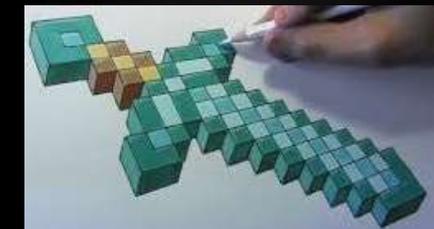
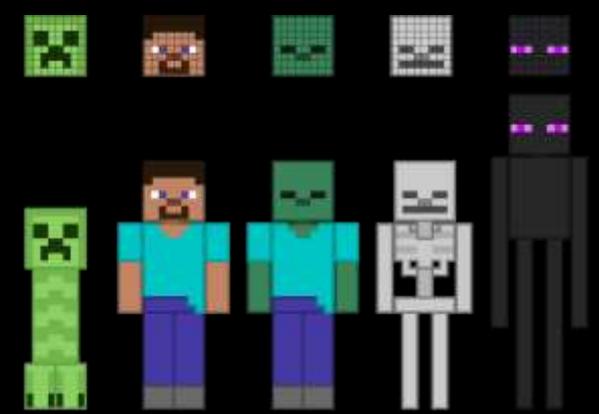
Challenge 12: Research into a job in which you would use design and technology skills and knowledge...

Produce a page of research about your chosen job – What is your chosen career? Why did you chose this? What do they do? What are their responsibilities? What skills do they use? What training did they need to do their job? How much do they earn? Take a picture of your research page – can be hand written or you could use ICT skills - upload it onto Show My Homework – Enjoy the challenge!



Challenge 13: Create a new character for Minecraft...

I am looking for creativity here – what can you design that is cool and interesting? Draw up your character – then take a photo and upload it onto Show My Homework. You can draw this flat in 2D-I challenge you to do it in 3D isometric drawing! Enjoy the challenge!



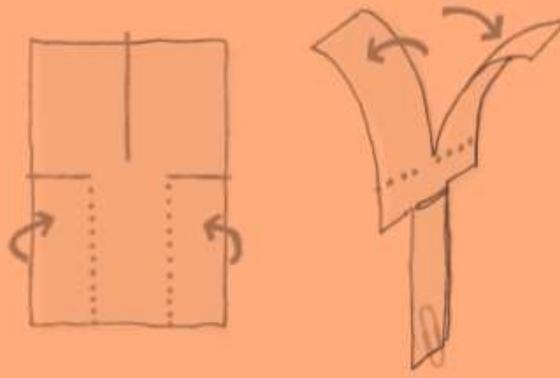
Challenge 15: Design and build a helicopter using only paper and paperclips...

Experiment with different papers and cards. Try and weight the helicopter down – what happens? Remember to take a photos and upload them onto Show My Homework.....Enjoy the challenge!

The brief
Design and build a helicopter using only paper and paperclips.

Materials
A4 sheet of paper
Paper clips
Scissors
(with adult supervision)

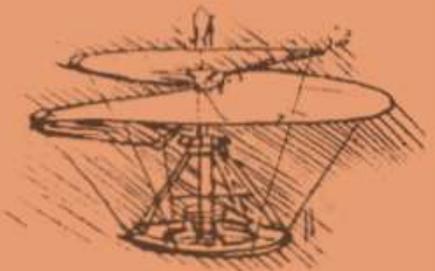
- The method**
1. Take a piece of paper and make three cuts as shown in the illustration. Then fold the paper in on itself at the bottom half – use a paper clip to keep the sides together.
 2. Fold the two halves of the remaining paper away from each other, to form the helicopter blades.
 3. Stand carefully on a chair and drop your helicopter, making sure it stays upright as you let go!



Design icons



Juan de la Cierva's Cierva C.8.



Leonardo da Vinci's Aerial Screw.

**WATCH THEM
SPIN &
FLY**



**RED
TED
Art**

Challenge 16: Design a product that can help people open the door without touching the door handle...

This could be a design drawing or a model/prototype that you could actually try on a door to find out if it works! Remember to take a photo and upload it onto Show My Homework.....Enjoy the challenge!



Challenge 17: Create a visual card game... something similar to 'Top Trumps'.

Find inspiration from something you are interested in / you know about. Think of how the game will be played and what the playing cards would look like. What would the categories be? What are the rules?

As a slight alternative to this you could design or even make your own board game (this may well include some cards as well as additional objects).

Remember to take a photos and upload them onto Show My HomeworkEnjoy the challenge!

Velma Dinkley



SKEPTIC FILE

The person most likely to solve the mystery

TWITTER FOLLOWERS	N/A	N/A
WEAPON OF CHOICE	Losing her glasses & saying "jinkies"	45%
SPECIAL POWER	Logic & Reason	87%
KEY OUTPUT	TV shows & crappy films	95%
ARCH ENEMIES	Old man Travers the Captain	48%

WISDOM AND SENSIBILITY

Colonel Brandon



WEALTH	8
WIT	17
INFLUENCE	14
REPUTATION	60
TOP TRUMPS RATING	68

By treating the Dashwoods with respect, generosity and kindness, this retired officer eventually gets his reward by marrying the loving, Marianne Dashwood. As Jane observes, "her regard and her society removed his mind to animation, and his spirits to cheerfulness."

Jane Austen

MEGHAN MARKLE



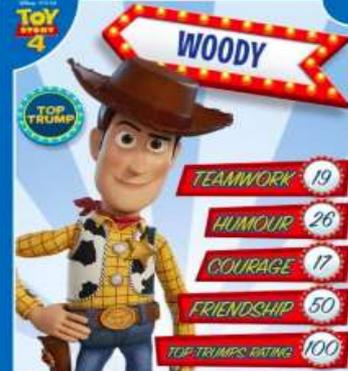
TOP TRUMPS FILE

VIP	9
AGE	38
PEOPLE PERSON	11
STYLE ICON	10
BIG DAY RATING	100

Collection jet, Meghan, had a wedding splashing by her partner. After "quitting" she became a "billionaire girl" on game show Deal or No Deal. This was the start of her career success, and she went on to land a leading part in US TV series in 2011. This morning looks to move to the "Queens of Style" on her big day. She's truly a modern trend, for a modern age.

TOY STORY 4

WOODY



TEAMWORK	19
HUMOUR	26
COURAGE	17
FRIENDSHIP	50
TOP TRUMPS RATING	100

WISDOMSHEET

Legal and courageous, Woody is always the voice of reason when Buzz and the rest of the gang need him. But after he catches a glimpse of his old friend, Bo Peep, Woody risks his greatest fear—becoming a lost toy—to search for Bo and begin an adventure that will ultimately allow him to find a deeper understanding of what it means to be a toy.

LADY GAGA

MONSTER CLASS



AIRMILES	96
PIN-UP	67
WEALTH	73
FASHION SENSE	98
COLUMN INCHES	94

If you are not familiar with Stefani Joanne Angelina Germanotta or Gaga for short, where have you been? The New Yorker shot to stardom after her debut album "Fame" went straight to number one in six countries in 2008. The controversial artist has revolutionized everything from her music to a telephone on her head, and Forbes ranks her number one on its 2011 list of the World's 100 Most Powerful Celebrities.

Challenge 18: Construct a chair that either you can sit on or a small prototype that a toy can sit on...

Experiment with different card you can find around the house. Think about how you can cut and fold the card to make it stronger. Remember to take a photos and upload them onto Show My Homework. Enjoy the challenge!

CARDBOARD CHAIR

The brief

Construct a chair that you can sit on using only cardboard. No glue, tape or other fixing materials allowed.

The method

1. Write down or sketch some ideas as to how you will construct the chair.
2. When you are planning, think about using cones, interlocking sheets, spirals, tubes – or even using strips of card like sewing thread.
3. Use the materials to create a chair made from cardboard.
4. If your first design doesn't work, evaluate what went wrong and try again.

Top tip

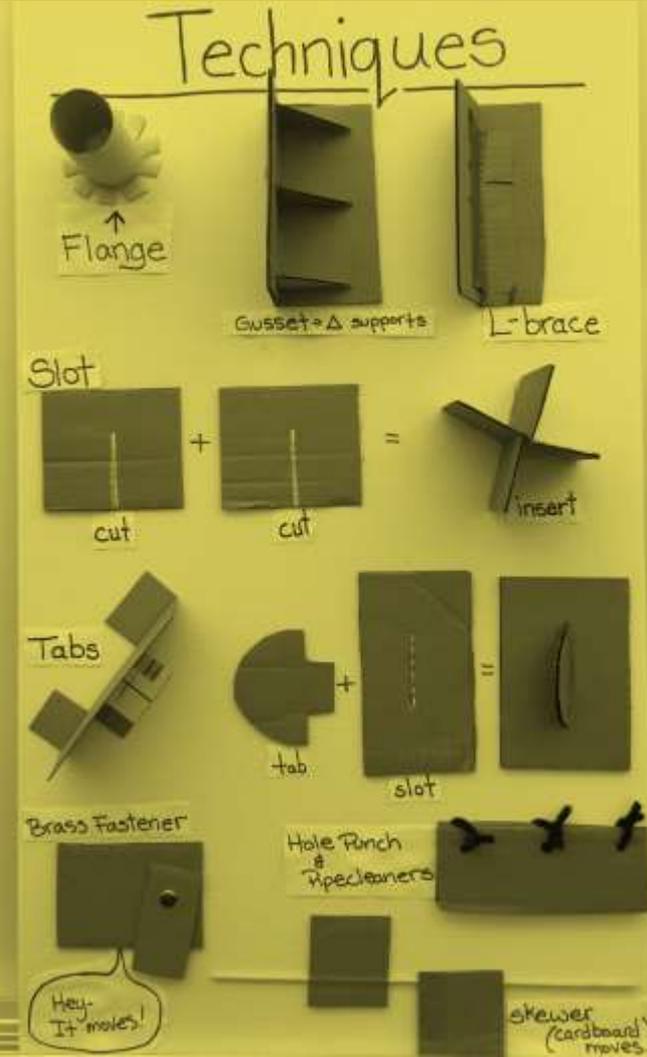
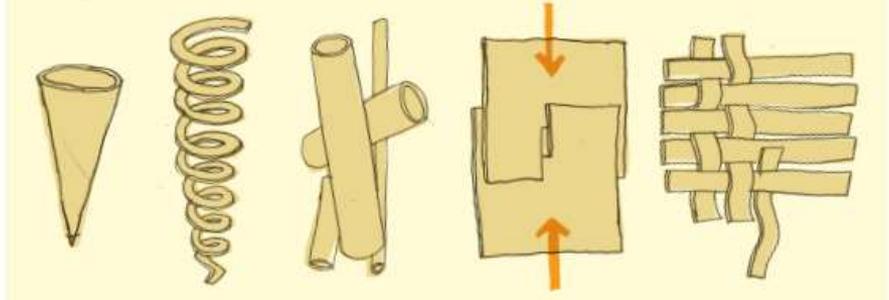
Think about structure.

Materials

- Cardboard
- Cutting equipment (with adult supervision)
- Rulers
- Pencils



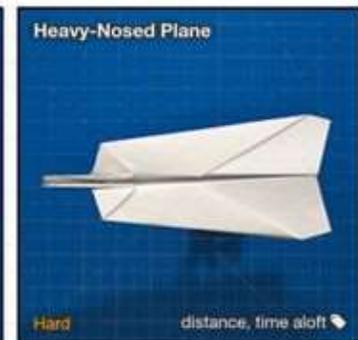
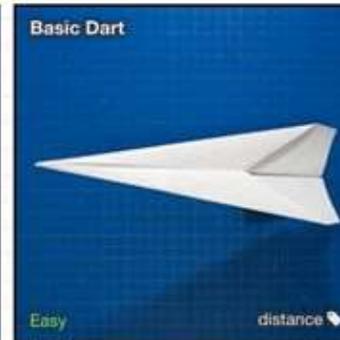
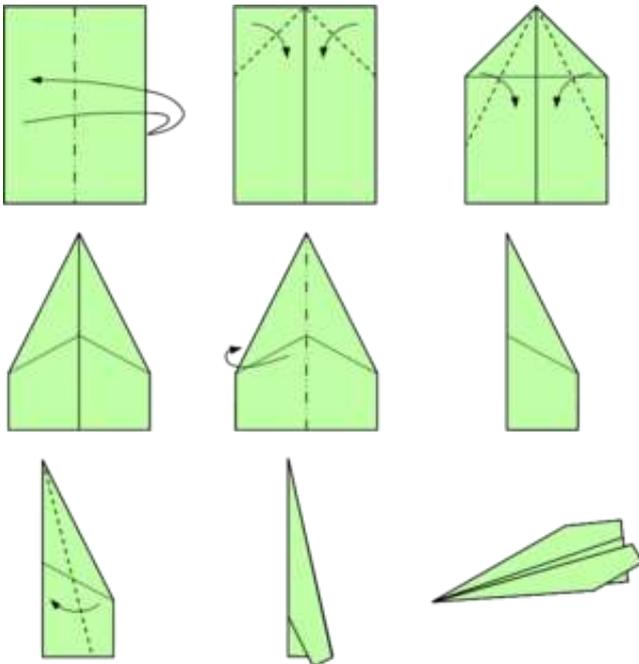
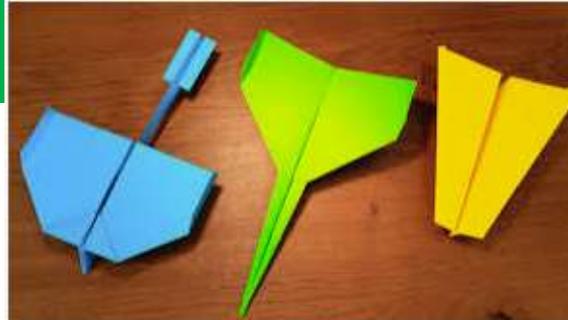
Examples of different structures:



Challenge 19: How long can you keep a paper plane in the air? You are being challenged to do two things....

1. To design and make a paper Aeroplane that will either stay in the air the longest or travel the furthest

Aerodynamics Challenge



Challenge 20: Drawing music...

Drawing to music is all about a process: listening, responding, revising, editing, revising and interacting. It relaxes, exhilarates, provokes thought and invites you to just respond to what you hear. You will benefit by not worrying what the outcome should look like. You can't make a mistake!

To help try to create a piece of work that will fit into a circle, rectangle, or square. The frame, which may evolve and generally does, gives you boundaries. The boundaries are not restraints, but rather reference points to help you make decisions... Remember to take a photos and upload them onto Show My Homework. Enjoy the challenge!

