Fod Safety Investigation





SUSPECTS: BAD HABITS

CLUES: not following the 4 Golden Rules of Food Safety

Junior FSI squad casebook







foodauthority.nsw.gov.au



This is Lee and Zoe, they are Food Safety Inspectors.

Their job is to inspect kitchens and make sure good hygiene and food safety practices are being used so that food is safe for you to eat and won't make you sick.





LESSON #1



It's easy to forget that food can be dangerous and cause illness.

Food can grow bacteria which can make us sick if we do not store, prepare, cook and eat it correctly!

To join the **junior Food Safety Investigation squad**, aka **FSI squad**, you must learn the 4 Golden Rules of Food Safety. These rules help keep food safe to eat.



☑ Defrost foods in the fridge

 \square Shop with a cooler bag

KEEP IT HOT

to at least 60°C

☑ Look for clear juices

before serving chicken

☑ Reheat foods to at least 60°C

☑ Cook foods

The

KEEP IT CLEAN

Item Rules



- ☑ Wash and dry hands thoroughly
 - before preparing or eating any food
- $\ensuremath{\boxdot}$ Keep benches and equipment clean
- Separate raw and cooked food use different cutting boards and knives

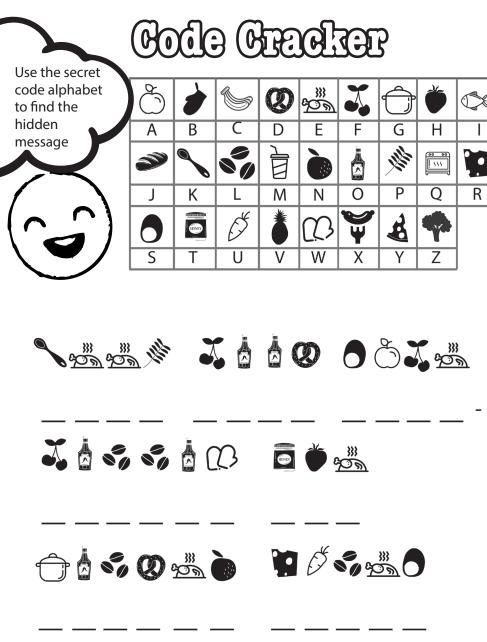
CHECK THE LABEL

- ☑ Don't eat food past a 'use-by' date
- Follow storage and cooking instructions
- Be allergy aware



FACT: Food Safety is the term to describe the handling, preparing and storing of food in a way to best reduce the risk of becoming sick from food poisoning.

ACTIVITY #1



OPEN CASE

Food Safetv Investig

Kitchen Crimes

R

Food poisoning

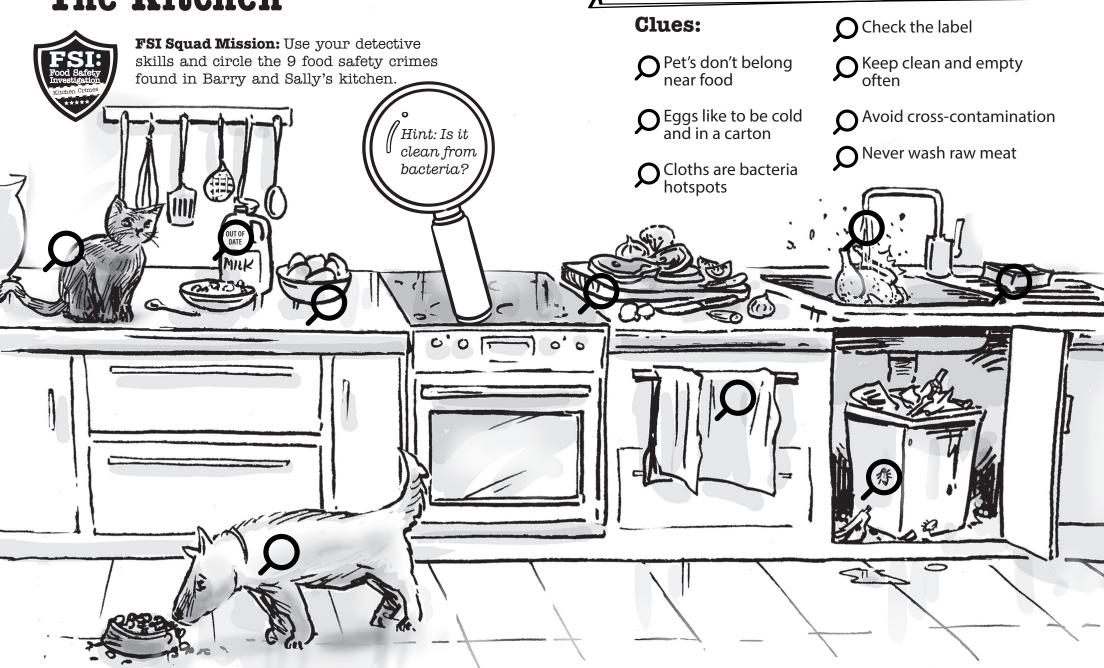
Poor Barry and Sally are feeling sick after eating something yesterday.

> FSI Squad Mission: Help uncover the kitchen crimes and bad food safety habits that may have made their tummies sick.

FACT: Food poisoning is when your body becomes sick, like vomiting or diarrhoea, that is caused by eating unsafe food. It is also sometimes called foodborne illness.

The Kitchen

FACT: Cross-contamination is when raw meat and ready-to-eat food is mixed together. Stop this crime by using different coloured chopping boards to separate and keep them clean



The Fridge



FSI Squad Mission: Identify the fridge that has become a crime scene. Draw a line to show which fridge is good and which one is the baddie.





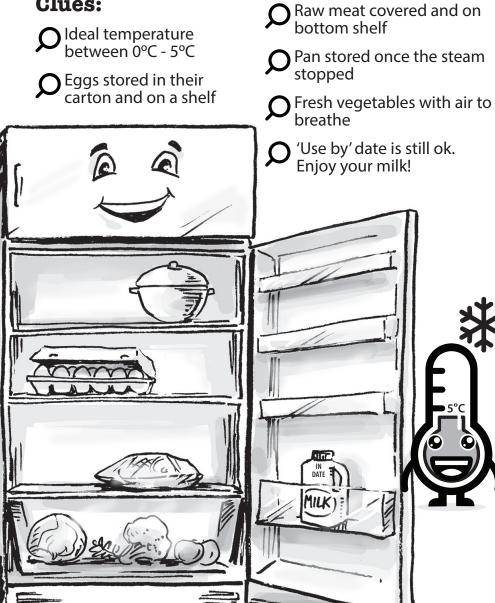
OUT O DATE

MIL



FACT: Temperature Danger Zone is when food that should be kept cold is exposed to temperatures between 5°C to 60°C. Food poisoning bacteria grows quickly in the 'danger zone'.

Clues:





ok it does not mean it is safe to eat. Never eat food past the 'use by' date and follow the storage instructions on the packaging. **Check Smart** -**Check the Label**

FSI Squad Mission: Follow the clues on the labels to find out if the food is safe to eat.

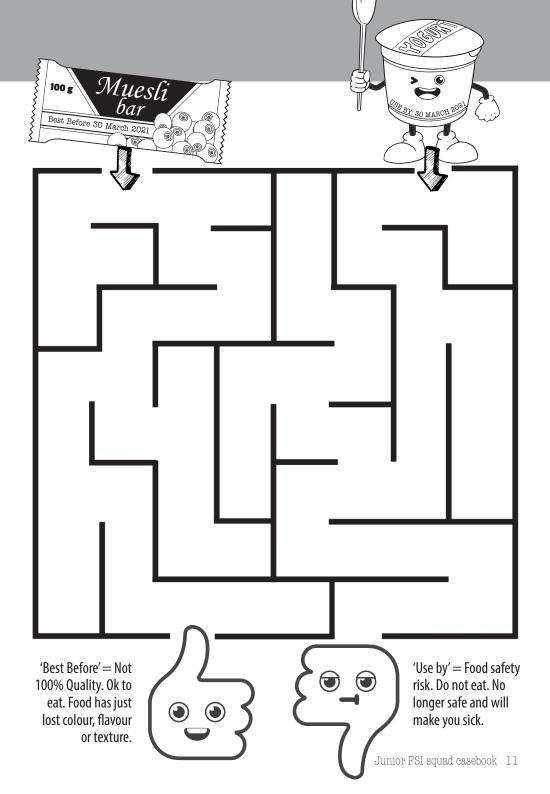


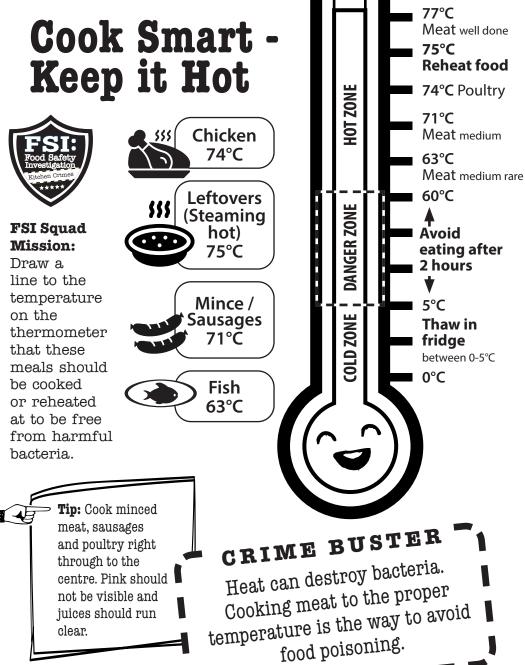
CRIME BUSTER If food looks, smells and tastes

Food allergy is a serious issue!

It's important to carefully check food labels before eating if you have a food allergy or intolerance, or you are shopping for someone who does.

))	The Usual Suspect allergens are	• egg : • fish	S	· .	is • s •	•	
		Ingredient Label Sudoku Every line. row & four-square box must have only one of the four allergens. Can you fill the rest?					
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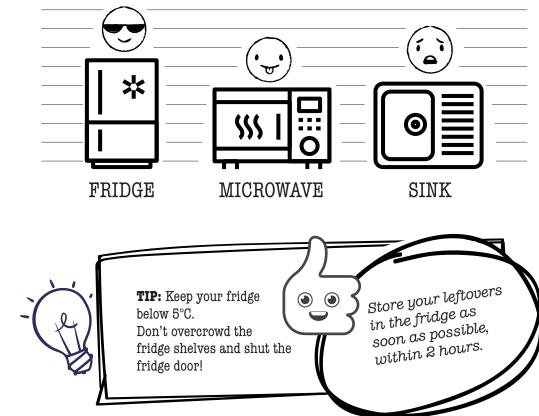
CRIME SCENE **#5**

Defrost Smart -Keep it Cold



FSI Squad Mission: Meat needs care when defrosting to avoid bacteria growing in the Danger Zone. Circle the suspect that should not be used to defrost meat.

SUSPECT DEFROSTER



Prep Smart - don't shower raw meat

Never wash raw meat, like steak and chicken, before cooking. Water from washing can splash and spread bacteria onto benches, sponges and ready-to-eat food. Yuck!



FSI Squad Mission:

What's the splatter factor? Colour the bacteria bright green that has splashed onto the bench and food, making them unsafe to eat.

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CRIME BUSTER

The 5 second rule for dropped food is false. Bacteria can attach quickly so play it safe and don't eat food that's hit the floor. ()



LESSON #2

Up close to Baddies

Most food poisoning is caused by baddies (like viruses, bacteria and toxins) in or on food that has not been stored, prepared or cooked correctly.

FACT FILES Common food poisoning



Bacteria: Campylobacter Found: in grooves on chopping boards from raw chicken meat

Bacteria: Salmonella Found: uncooked egg or deli meat sandwiches stored in hot lunch boxes, and raw egg whites



Bacteria: Listeria Found: the seal of your fridge door



Viral: Norovirus Found: unwashed hands of a sick person

Toxin: Bacillus cereus Found: cooked rice not refrigerated



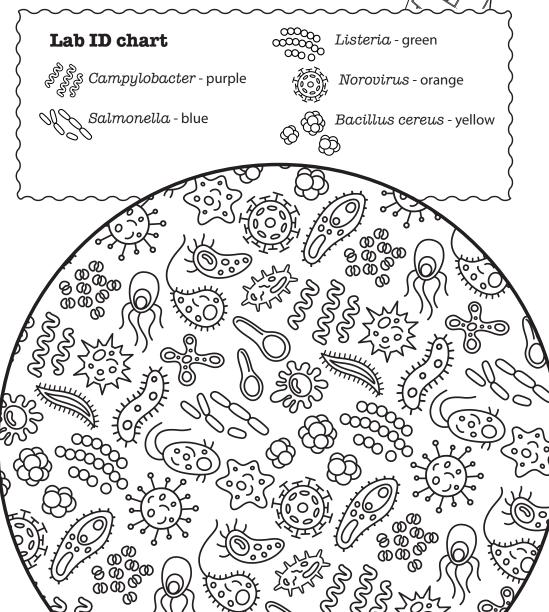
TIP: Heat won't kill toxins. It's important to cool leftover cooked rice quickly and store in the fridge asap. Only reheat rice once, then throw away the leftover.

Food poisoning symptoms are not fun and can include fever, pains in the tummy, vomiting, diarrhoea and really bad headaches

Lab Forensics

FSI officers often send food samples to scientists in labs to test for baddies that have caused serious food poisoning.

Help the lab identify the 5 baddies and colour them:





Scores on goors

Look out for the 'Scores on Doors' stars when you're next eating out at your local restaurants and shops.

The stars show results of regular inspections by FSI officers and how well the Golden Rules of Food Safety are followed.

Make good decisions where to eat to reduce food safety risks and illness from food. Enjoy your meal with greater confidence.



ACTIVITY #2

Star rate your home kitchen



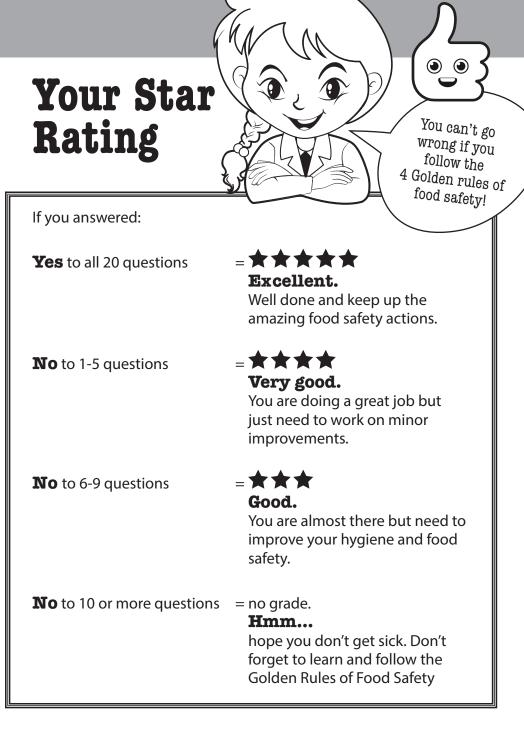
FSI Squad Mission: Don't let your kitchen become a crime scene. How many stars does your kitchen score? Use your new Junior FSI skills to rate your kitchen and ask a parent or family member the following questions:

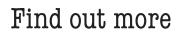
Star rating checklist questions:

KEEP IT CLEAN 🇳			No
1	Do you always wash your hands with soap before touching food?		
2	If you have pets, do they stay off the bench tops?		
3	Do you use different chopping boards for raw meats and vegetables?		
4	Do you frequently clean or replace sponges and dish cloths?		
5	Do you always wipe or clean the benches before preparing food?		
6	Do you keep the fridge clean from bits of food and spills on the shelves and in the drawers?		
7	Do you always store raw meat on a shelf below cooked / ready-to-eat food in the fridge?		
8	Do you always store eggs in the carton on a shelf and never in the fridge door?		
9	Do you know never to wash raw meats in the sink before cooking?		



KEEP	Р ІТ НОТ 🐠	Yes	No
10	Do you always use a meat thermometer to check the temperature when cooking meat and chicken?		
11	Do you always reheat leftovers until they are steaming hot and at least 60°C?		
12	Do you always cook mince or sausages until there's no pink left?		
KEEP	PIT COLD		
13	Do you keep your fridge at or below 5°C, keeping it out of the 'danger zone'?		
14	Do you know not to defrost frozen food on the bench or sink?		
15	Do you know not to leave cooked food at room temperature for more than 2 hours?		
16	Do you always use cooler freezer bags or an esky when shopping?		
17	Do you cool down steaming food before putting into the fridge?		
CHEC	CK THE LABEL 🔊		
18	Do you know not to eat food past the 'Use by' date?		
19	Do you follow storage or cooking instructions on food labels?		
20	Do you know to check the label for food allergens?		









Keep your lunchbox safe for school. Freezer bag style lunch boxes are cool!

Food safety is the top priority

Did you know the NSW Food Authority was started in 2004 to help make food safe, from the farm paddock to your plate?

The Food Authority makes sure food produced and sold is regulated and safe to be eaten, while providing up-to-date information and food safety tips for everyone.

To find out more you can connect with NSW Food Authority by



Visiting the website www.foodauthority.nsw.gouau

Following @nswfoodauthority on Facebook to get tips and food product recall information (ask a parent first please)

FACT FILES What is a food recall?

A food recall is the action taken to remove unsafe food from being sold off the shop shelf and being eaten to protect your health and safety.

The reason for recalls varies, but can be because of things such as bacteria found, foreign matter, labelling issue or undeclared allergen. Always follow the instructions on the recall information provided by the NSW Food Authority to stay safe.

5 Steps to healthy hands

Follow the 5 steps for healthy hand washing before handling and eating food

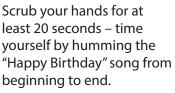


Wash your hands with soap and warm running water.



Rub soap into your hands. Don't miss the tricky spots on the backs of your hands, between your fingers and under your nails.

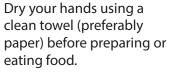








Rinse your hands under clean, warm, running water to remove all the soap.



Wash your hands BEFORE:



Touching food, cooking or eating

Wash your hands AFTER:



Going to the toilet



Touching raw meat or eggs

Sneezing, coughing or blowing your nose



Touching rubbish, mess or chemicals



Touching animals or playing outside



Touching a cut or sore

Food Safety food safety habits Kitchen Crin

Well done for cracking the case! Thankfully Barry and Sally are feeling much better. Your keen investigation skills and knowledge of the Golden Rules of Food Safety will help you avoid food posioning.



Congratulations! You have passed your training. Welcome to the Junior FSI squad!

CASE CLOSED GUILTY - bad

I'm trained in hygiene and food handling safety practices.

Golden Rules of Food Safety RULE!

Your next mission (if you choose to accept):

Star rate your family and friends kitchens.

Investigate how 'cool' your class lunch boxes are.

Discover the world of 'allergens' and who the usual suspects are.







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