

Mission NUTRITION ESSENTIALS



www.mission.co.com



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Further, if you choose to cook and consume any of the recipes contained within this book and feel that you are experiencing any adverse effects, then you should cease using these recipes immediately and consult your doctor.

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My Mission, About Me

Hi, my name's Sophie! I'm a personal trainer, yoga instructor, professional dancer, and founder of Mission.

When it comes to health and wellbeing, Mission likes to take a holistic approach, and each colour within our logo represents a different element of your health.

- Blue represents your physical health; how much you move and exercise throughout the day.
- Purple represents your mental health; how much time you take to focus your mental health daily through meditation and journaling.
- Yellow represents your spiritual health; how positive your outlook is, and what you put out to the universe.
- Green represents your emotional health; what you eat affects your emotions, and it's how you think and feel.

When I was going through a difficult time in the past, I added each of these elements into my day. Going for walks, meditating, creating goals through positive thinking, and fuelling my body with nutritious foods. I found that this created energy, and helped me get back on track with my "Mission" or purpose in life: the atom logo encompasses all these elements.

This is how Mission was founded. Sometimes we need to go through darker times to see the light, but we also need to help ourselves out as much as we can by fuelling our physical, mental, emotional, and spiritual health.

I hope that every time you see our logo it inspires you to look after your health and wellbeing to the best of your ability. I'm thankful every day for what I've learnt and how it's taken me to where I am today. That's my mission and I'm here to help you on yours!

Principles of Nutrition



Welcome to the Nutrition Essentials book.

This book will be your bible over the coming weeks! In case you didn't know, nutrition will count for about 80% of your results. That's right 80%!

Below I have included the key principles that work for nutrition for health and fat loss. If anything you read, see or hear deviates from any of the six principles below, chances are you can dismiss it immediately as a short term fad diet. This is a way of eating that will enable you to achieve both fast and permanent results in a way that is 100% sustainable. You see this change has to be permanent so it has to be both straightforward and above all enjoyable. The good news is that my nutrition guide will show you how quick, easy and tasty eating this way is.

Follow these principles and you will get results...

- 1. Eating fewer calories than you burn (calorie deficit)
- 2. Eat more vegetables and fruits because they are rich in antioxidants and micro-nutrients (vitamins and minerals)
- 3. Eat plenty of protein for repair and maintenance of lean tissue, and to keep you feeling full (protein satisfies the appetite more than any other macronutrient)
- 4. Eat enough healthy fats from oily fish, nuts, avocados, coconut and olive oils (healthy fats are an essential part of a balanced diet)
- 5. Drink plenty of water to naturally detoxify the body, keeping the brain and body hydrated so it can function properly (green and herbal teas count towards this water intake)
- 6. Limit processed foods and artificial sweeteners and preservatives

Now go and learn, cook, and experience the benefits that good nutrition has to offer - enjoy!



Testimonials

"I can't thank Sophie enough for everything she has done for me this past year. Sophie has helped me change my whole life!"

- Anonymous - Online Coaching and Mission Membership

"I love working with Sophie, she has helped me so much. She has so much energy and enthusiasm!"

- Anonymous - Mission Membership

"I first started doing in-person private yoga sessions with Sophie. Then when the first lockdown hit us, Sophie started an online 10-day free challenge. This was what I really needed, as not being able to work from home and having to close my business really got to me. Sophie then carried on with online coaching throughout lockdown, and I can honestly say Sophie was the one that got me through. I struggle with my mental health on a daily basis and doing the workouts and keeping my steps up really pulled me through. Then just before the second lockdown, I had a little health scare in which I confided in Sophie. She was brilliant!!! She's helped me massively with logging my food and making sure I'm eating the right things (without being to pushy), I honestly can't thank her enough. Without her help and knowledge (she really knows her stuff) I wouldn't be feeling healthier and focused like I do now. So thank you Sophie!"

- Amy McDowell - Online coaching & Mission Membership















Get in touch

I absolutely love watching each client progress. I still jump for joy every time someone tags me on facebook or instagram. If you're working out, cooking a meal or going on walks please do tag me so I can cheer you on :-

- @mission_108
- f Mission-SophieCampbell

Email Sophie@mission.co.com





Nutrition Essentials

OBJECTIVES

- · To gain an understanding of the role of nutrients
- To learn how to create a diet that is tailored to you as an individual (there isn't
 a one-size fits all)
- To understand how to track and make changes to your nutrition intake to ensure you keep progressing

What are Macronutrients & Micronutrients?

Macronutrients	Micronutrients
Protein Carbohydrate Fat	Vitamins Minerals

Let's Look at Macronutrients.

There are 3 macronutrients and they are protein, carbohydrate and fat. Most people have heard of these 3 macronutrients.

1. Protein

- Essential for normal growth and repair
 Higher protein diets have many benefits:
- Enhanced fat loss
- · Retention of muscle
- · Better satiety
- Protein contains 4 calories per gram





2. Carbohydrate

- Carbohydrate is used by the body during intense exercise
- Glucose, which is what carbohydrates are converted to, is used by the brain. This is why we might experience "brain fog" if we go on an extremely low carb diet



- Carbohydrate intake should be high enough to allow us to train hard and provide our brain with enough energy to help us function properly
- We don't want to consume more carboyhdrates than we need as this will hinder fat loss
- Optimal carbohydrate intake is an individual thing, some people get better results with a slightly higher carb intake and some people do better with lower carbohydrate
- This comes down to learning how your body responds
- Over time we tend to develop an awareness of which type of diet works best for us, it is somewhat a matter of trial and error
- Carbohydrate, like protein, also contains 4 calories per gram

3. Fat

- · Fat is the most calorie dense macronutrient, with each gram of fat containing 9 calories
- You can see the logic behind reducing fat intake, because gram for gram you can reduce over double the calories when compared to protein and carbohydrate (both 4 calories per gram)
- Fat provides energy, satiety and omega fatty acids that are essential for our health
- A diet too low in fat can leave us feeling very hungry!





Vitamins and minerals

 Vitamins and minerals are required by the body for many physiological functions including growth, digestion, energy transfer, nervous system function and many other functions of the body



- · Deficiencies are fairly common
- A 2006 study of 20 participants (including athletes) who were looking to improve the
 quality of their micronutrient intake from food showed that food alone did not meet the
 minimal Recommended Daily Allowances (RDA) micronutrient requirements for preventing
 nutrient-deficiency diseases
- The researchers also concluded that the more active a person is, the greater need there is to employ a variety of balanced micronutrient-enriched foods including micronutrient supplementation as a preventative protocol for preventing the observed deficiencies.

This is why it is important to eat a wide variety of nutrient dense vegetables and fruits, as well as considering a daily multivitamin supplement.



Meal Frequency

How many meals should I eat per day?

- It's different for everybody
- Eating small meals every 2 hours does boost your metabolic rate, but it is pretty inconvenient and therefore unsustainable for most people
- Somewhere between 3 and 6 meals per day is usually about right
- Try not to go longer than 4-5 hours between meals

Protein shakes

Do I need protein shakes after training?

 Protein shakes are a convenient way to increase protein intake and are ideal if it's going to be a while between finishing training and your next meal, but they are not essential



• A protein shake is digested quickly and easily by the body so it's ideal to use around training. It's also an easy way to increase your protein intake if you're struggling to eat it through food, although it shouldn't be relied on too heavily.



Application

Two nutrition routes are covered in this guide.

- 1 Portion control (no weighing involved)
- 2 Macronutrient tracking (weighing out food)

Which One Is Right For Me?

- Most people find a portion control approach easier to follow than tracking their macronutrient intake
- Have a look at both options and see which one you think will suit you best
- You can experiment with both options as they both have their pros and cons
- Stick with your chosen option for 3-4 weeks and assess your results

ROUTE 1: Portion Control

- Although tracking your macronutrient intake is the most accurate way to approach
 your diet, not everybody wants to weigh out food and if that's you, you may just want to
 control your portion sizes
- The intention is still the same a caloric deficit that allows us to burn body fat
- Controlling portion sizes will probably work for most people most of the time

On the following pages is a visual guide to give you an idea of how much protein, carbohydrate and fat we should roughly consume...



Portion Control Guide



PROTEIN SOURCES:

I IMIT:

Chicken Turkev Beef Lamb

Smoked, cured meats or processed

Very fatty cuts of meat e.g. lamb

Pork Fish

Seafood Eggs

Greek yoghurt Cottage cheese then there is no need to consume extra fats from the fats list.

If you are consuming high amounts of fat

NOTE:

e.g. oily fish, fattier cuts of meat, whole eggs, full fat Greek yoghurt





VEGETABLE SOURCES:

Cauliflower Cucumber **Broccoli Courgettes** Kale **Peppers** Celery Tomatoes Onion **Radishes Spring Onions Pak Choi Green Beans Cabbage** Rocket Mushrooms Spinach **Chillies** Lettuce **Carrots**





CARBOHYDRATE SOURCES:

LIMIT:

Rice Potatoes Bread Pasta Cous Cous Quinoa Lentils

Oats

Refined processed carbohydrates.

e.g. sugar, white bread, white pasta





FAT SOURCES: | LIMIT:

Nuts Seeds Coconut Oil Butter Ghee Olive Oil Trans fats found in baked goods and fried foods

e.g. pastries, cookies, cakes, crisps



The above is a general guide. There are a number of factors to take into consideration when deciding how much to eat.

- Your stature
- How many meals you are able to eat per day
- Your activity levels
- If your goal is to lose weight
- If your goal is to gain weight





On the next few pages are some example portion control meals.

All recipes serve one person. Simply double the quantities to serve two.

In some of the following recipes, you can choose quantities of ingredients.

For example '2-3 eggs' in the Colourful Veggie Scramble recipe

Choose the quantity based on your size, gender, goals etc.

Refer to the Customise Section on the previous page if you are unsure of anything.



Colourful Veggie Scramble

Serving of spinach, chopped roughly

1 tsp coconut oil or butter

a handful of button mushrooms, chopped

1 tbsp sun-dried tomatoes, drained and chopped

1 clove garlic, finely chopped

2-3 eggs

1-2 egg whites

salt and pepper to season



Steam the spinach for around 5 minutes until fork tender. Set aside.

In a non-stick frying pan, heat the oil or butter over a medium heat. Add the mushrooms and sauté, stirring for 4 minutes.

Add the steamed spinach, sun-dried tomatoes and garlic. Sauté, stirring for 3 minutes.

Beat the eggs and whites for 30 seconds, then pour evenly over the vegetables.

Allow to cook untouched for around 2 minutes.

Gently stir the mixture together until the eggs are fully cooked, around 2-3 minutes.

Season with salt and pepper and serve.



Overnight Cocoa Oats

1 serving oats (use gluten free oats if preferred)

2 scoops chocolate or vanilla flavour whey or rice protein powder

1 tbsp cocoa powder

1 dessert spoon Greek yoghurt

80ml unsweetened almond milk

1 tsp honey (or use sweetener of your choice)

1 serving raspberries



Place all ingredients except the raspberries into a sealable container and mix well.

Seal and refrigerate for at least 2 hours or overnight.

Mix in a little more extra almond milk if the mixture is too dry.

Spoon into a serving bowl and top with fresh raspberries.



Breakfast Egg Pizza

1 tsp ghee or butter

2-4 eggs

A sprinkle of Cheddar cheese, grated (use dairy free if preferred)

1 tsp tomato purée pinch of pepper

pinch of paprika

pinch of Italian herbs



Prepare a medium grill. Melt the ghee/butter in a frying pan over a medium heat.

Crack the eggs into the frying pan. Cook on a medium heat until the whites are solid but the yolks are still runny. Placing a lid on the frying pan will speed up cooking time by a couple of minutes.

Slide the eggs onto a plate. Squeeze on a tsp of tomato purée.

Add the cheese and seasonings.

Place under the grill for a few minutes until the cheese melts.

Suggestion: Serve with wilted spinach.



Turkey Satay Spice

1 tsp organic coconut oil or ghee

1 small red onion, diced

120-200g turkey breast steaks, diced

1 serving closed cup

1 serving baby plum tomatoes

2-3 red or green chilli peppers, sliced

1 yellow bell-pepper, diced

200ml fresh chicken stock

(or use 1 organic stock cube)

2 tbsps tomato purée

1 serving fresh spinach leaves

1 serving crunchy peanut butter

salt to taste (optional)



Melt the oil / ghee in a large saucepan over a medium heat.

Add the onion and sauté for 3-4 minutes, stirring.

Add the turkey and cook for 3-4 minutes, stirring occasionally.

Add the mushrooms, baby plum tomatoes, chilli peppers and yellow pepper and sauté for 2-3 minutes, stirring, until soft.

Add the stock and tomato purée and bring to the boil, then reduce to a gentle simmer.

Cover and cook for 10-15 minutes, stirring occasionally.

Add the spinach leaves and stir well. Cook for 1 minute or until wilted.

Add the peanut butter and salt (if using), stir well and cook for 1 minute. Serve.



Balsamic Beef Salad

1 serving beef frying steaks, cut into strips

1 tsp coconut oil or butter

for the marinade:

1 tbsp balsamic vinegar

1 tsp garlic, finely chopped

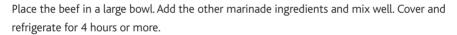
1 tbsp Worcester sauce

for the salad:

1 serving mixed lettuce leaves

1 serving avocado or boiled egg, sliced (or half a serving of each)

1 serving plum tomatoes / celery / peppers / cucumber



Melt the oil or butter in a non-stick frying pan over a medium / high heat. Add the beef and fry gently on both sides for around 3-4 minutes or until cooked to your liking.

Assemble the salad ingredients in a bowl and add the beef strips.





Minted Lamb Kebabs

3 tbsps plain yoghurt

1 tsp finely grated unwaxed lemon zest

1 tsp fresh lemon juice

1 garlic clove, crushed

1/2 tsp English mustard

1 tbsp tomato purée

1 serving lean lamb leg steaks, diced

1 serving cherry / plum tomatoes

small sprig fresh mint, finely chopped

for the salad:

1 serving mixed lettuce leaves

1 serving plum tomatoes / celery / peppers / cucumber

small handful fresh coriander, finely chopped (optional)

Mix the yoghurt, lemon zest, lemon juice, garlic, mustard and tomato purée in a shallow bowl.

Add the lamb and coat well in the sauce.

Cover and refrigerate for at least one hour.

Soak 2 bamboo skewers in cold water for 30 minutes or more.

Prepare a medium grill.

Thread the lamb pieces and cherry tomatoes (alternating) onto the skewers.

Brush with the marinade and grill for 5 minutes each side or until cooked to your liking.

Sprinkle over the chopped mint.

Assemble the salad ingredients in a bowl and serve.





Salmon & Dill Omelette

a pinch of dried dill

1 tsp ghee or butter

1/2 a fresh salmon fillet

1/4 of a small white onion, finely chopped

1 serving button mushrooms, chopped

1/4 of a medium sized tomato, diced

2-3 eggs plus 1 egg white

a pinch of sea salt and black pepper

A sprinkle of Cheddar cheese, grated (use dairy free cheese if preferred)

1 serving fresh spinach leaves



Melt the ghee / butter in a large frying pan over a medium / high heat.

Add the salmon and cook for around 10-12 minutes, turning halfway. When cooked, the flesh should be a pale pink colour throughout. Remove from pan and set aside.

Reduce the heat to medium. Add the onion and mushrooms to the pan and sauté gently until soft for 2-3 minutes, stirring frequently. Add the tomatoes and cook for 2-3 minutes, until soft. Remove the vegetables from pan and set aside. Remove any bits from the pan.

Whisk the eggs and whites in a jug and season with salt and pepper. Pour the eggs into the pan. Cook gently for 3-4 minutes until the edges of the mixture start to crisp.

Add the cheese and spinach leaves and cook until the leaves have wilted.

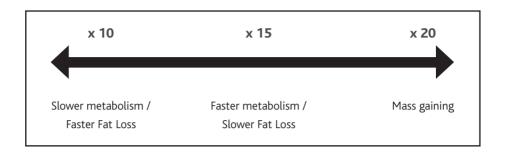
Using a slice, carefully fold the omelette in half. Remove from the pan and serve.



ROUTE 2: Tracking Macronutrients



Step 1: Select Kcal intake per lb of bodyweight



For example...

a 180lb person consuming 12 x their body weight in calories = 180 x 12 = 2160 Kcal

Setting protein intake

- A protein intake of 1-1.3g/lb of body weight is recommended
- For example, for our 180 lb person consuming 1g per lb of body weight, this would amount to 180g of protein per day
- If this person prefers to eat more protein they could increase to 1.3g per lb of body weight.

Setting carb & fat intake

- · Carbs and fats will make up the remaining calories
- This is a matter of preference and what works for us as individuals e.g. people do better with more or less carbs
- It's either higher carbs and less fat or lower carbs and more fat



Setting carb intake

- Recommended carbohydrate intake varies between 25% and 40% of total calories
- In the 180 lb example let's assume a carbohydrate intake of 30%
- 2160 Kcal x 0.30 = 648 (Kcal)
- Divide 648 by 4 (kcal per gram) to workout the grams
- 648/4 = 162 grams

Setting fat intake

- Fat will make up the rest of the calories
- · Add up the protein and carb intake in grams
- \bullet 180 + 162 = 342
- Multiply this by 4 (Kcal per gram)
- 342 x 4 = 1368 Kcal
- Subtract this from our Kcal intake total
- 2160 1368 = 792 Kcal
- Divide this by 9 to give us fat intake in grams
- 792 / 9 = 88g fat

Here are the resulting target macronutrient intakes:

- Protein 180g
- · Carbohydrate 162g
- Fat 88g



Let's take the same person and work through an example with a higher protein intake

So just to recap...

- a 180lb person consuming 12 x their body weight in calories (180 x 12) = 2160 Kcal
- Protein intake 1.3g / lb body weight
- 1.3 x 180 = **234g** protein
- Carbohydrate intake 30%
- 2160 x 0.30 = 648 Kcal
- Divide by 4 to get the grams
- 648 / 4 = **162g** carbohydrates
- · Add up the protein and carb intake in grams
- 234 + 162 = 396
- Multiply by 4 (Kcal per gram) to get the Kcal
- $396 \times 4 = 1584 \text{ Kcal}$
- 2160 1584 = 576 Kcal
- Divide by 9 (Kcal per gram)
- 576 / 9 = **64g fat**

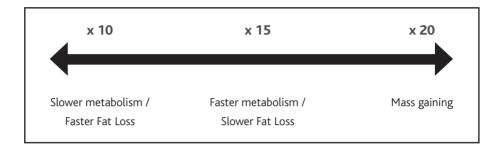
Target macronutrient intakes...

- Protein = 234g
- Carbohydrate = 162g
- Fat = 64g



It's Your Turn

Step 1: Select your Kcal intake per lb of bodyweight



NOTE: 10 is the lowest you should go as anything below this isn't sustainable and you'll probably find yourself hungry and lacking energy.

If you are unsure, 12 is a good place to start for fat loss

Now set your protein intake

- Body weight in lbs x 1-1.3
- To decide where to set your protein consider if you enjoy eating more protein, just remember the higher the protein, the less space there will be for carbs and fats
- If in doubt set at 1g / lb to start with, this is still a high protein intake

Now set your carbohydrate intake, again there is no one size fits all so this is determined by preference and perhaps if you already know how well your body responds to carbohydrate

- Choose between 25% and 40%
- If you are unsure then try 30% to start with, again you can always adjust this up or down with some on going feedback
- Multiply your target Kcal intake by this number expressed as a decimal e.g. 30% = 0.30



This gives you your carb intake in Kcal

- Divide this number by 4 to give you the grams
- Add this number to your protein intake in grams
- Multiply this total by 4 to give you Kcal from protein and carbs
- Subtract this number from your target total kcal

This gives you the kcal remaining for your fat intake

• Divide this number by 9 to give you your fat intake in grams

Unsure?

If you are unsure, let's look at the table on the next page showing calorie, protein, carbohydrate and fat intakes based on body weight. This can help you get going.



Bodyweight (lbs)	Kcal (x12)	Protein (1g/lb)	Carbs (30%)	Fat	
130-	1560	130	117	64	
135	1620	135	122	66	
140	1680	140	126	68	
145	1740	145	131	71	
150	1800	150	135	73	
155	1860	155	140	76	
160	1920	160	144	78	
165	1980	165	149	81	
170	2040	170	153	83	
175	2100	175	158	86	
180	2160	180	162	88	
185	2220	185	167	90	
190	2280	190	171	93	
195	2340	195	176	95	
200	2400	200	180	97	
205	2460	205	185	100	
210	2520	210	189	103	
215	2580	215	194	105	
220	2640	220	198	108	
225	2700	225	203	110	
230	2760	230	207	112	
235	2820	235	212	115	
240+	2880	240	216	117	



How To Tailor Your Intake

- There is no magic number, each person is different, the most important factor in fat loss is a calorie deficit
- If you are not dropping body fat then you will need to reduce your Kcal intake until you start dropping
- If you are dropping body fat faster than 2 lbs per week then you should increase your Kcal intake slightly because the faster weight is lost, the more likely it is that muscle is being lost as well we don't want to lose muscle!
- It is fairly normal to lose more than 2lbs in the first week, this is often water, so if you do
 drop more than 2lbs in the first week, wait to see your week 2 results before you adjust
 your intake
- 10Kcal/lb bodyweight is the lowest recommended intake

How To Track

- Set up an account at www.myfitnesspal.com
- Ignore the default target settings
- You can set up your own targets but it will only let you set them by 5% increments unless you upgrade to the paid app
- So just pay attention to your daily total



Breakfast	Calories	Carbs	Fat	Protein	Fiber	Calcium	
Egg, whole, cooked, poached, 3 large	215	1	14	19	0	8	•
Aldi Eggs - Egg Whites Scrambled, 3 egg white	51	1	0	11	0	0	•
Spinach, raw, 80 g	18	3	0	2	2	8	0
Biona - Rye Bread, 71 g per slice	134	25	1	3	7	0	0
Add Food Quick Tools	418	30	16	35	9	16	
Lunch							
Usda - Chicken Breast, Raw, 150 gram	180	0	4	34	0	0	0
Salad Waitrose - Mixed Salad of Leaves, 100 g	15	2	1	1	1	0	0
Nature - Quinoa (Dry), 40 g	150	28	2	5	2	0	0
Tesco Cherry Tomatoes, 80 g (7 Tomatoes)	16	3	0	1	1	1	•
Tesco Organic - Almonds, 15 g	89	1	7	3	3	0	0
Add Food Quick Tools	450	33	14	44	8	1	
Dinner							
Tesco - Salmon, 140 g	280	0	18	27	0	0	0
Tesco - New Potatoes, 250 g	185	40	1	4	6	0	•
Tesco - Asparagus Tips, 100 g	29	2	1	3	2	0	0
Add Food Quick Tools	494	42	20	34	8	0	
Post Workout Snack							
Banacol - Banana, 1 medium banana	110	29	0	-1	4	0	0
Reflex Nutrition - 100% Native Whey, 40 gram	150	4	0	32	0	0	
Add Food Quick Tools	260	33	0	33	4	0	
Other Snacks							
Skyr - Plain Fat Free Yoghurt, 200 g container	131	8	0	22	0	0	0
Tesco - Frozen Raspberries, 80 g	72	12	0	1	7	0	•
Reflex Nutrition - 100% Native Whey, 15 gram	56	2	0	12	0	0	0
Add Food Quick Tools	259	22	1	35	7	0	
Totals	1,881	160	51	181	35	17	



Accuracy

- Hitting your targets with a 5% margin for error is excellent
- Hitting your targets with a 10% margin for error is good
- Aim to be within 5-10% of your targets each day
- Food labels can be 5-20% inaccurate anyway so don't sweat the small stuff

Action Steps

- Decide on either the macro tracking or portion control approach
- If using the macro tracking approach, work out your target intakes, if you are unsure then start by using the table with Kcals set at x 12 bodyweight, protein at 1g/lb bodyweight and carbs at 30%. If you are losing weight too quickly, you can always increase the multiplier