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## WHAT IS SCHOOL PLATES?

MEET THE TEAM

FIRSTLY, THANK YOU FOR BEING SO OPEN TO INTRODUCING HEALTHIER AND MORE SUSTAINABLE SCHOOL FOOD.

Like you, we care passionately about the food we serve to school children. We want them to thrive, nourished by good food they love We also care de gly a the future of our planet and know the the future of our planet, and know that food can be one of our most important solutions in addressing the climate crisis.

Our School Plates programme focuses on helping you to make small changes to school menus that can have a big impact on children's health and the health of the planet. And it usually saves you money too! We do this by helping you to:
increase the uptake of existing vegetarian meals; and
increase the quantity and quality


Throughout the following pages, we explain why we do this work, and then look in depth at the how in order to guide you practically at the how in order to guide you practic
through the programme, step by step.

We take a close look at the use of language and positioning to help you to rebalance menus that might be unknowingly biased towards meat-based dishes, as well as taking you through how to best introduce new plant-based days, and outlining our plant-based chef training.

We show you how to make changes gradually, usually in phases, in order to ensure that they are long-lasting. And you can rest assured are long-lasting. And you can rest assured based and tried and tested for success.

The time is right for menu change in schools. We know from all the feedback we've received in recent years that children and parents are ready for it. We can't wait to start working with you!

Our mission is an ambitious one: to reduce the global consumption of animals by 50\% by the year 2040. Our vision is a world where everyone chooses delicious and healthy food that is good for all humans, animals, and the planet.

## (P) Proves

 Our



Jimmy Pierson
Director, Proveg UK
A former lawyer and journalist, Jimmy founded School Plates in 2018. With a young daughter in school, and another on the way, Jimmy cares passionately about making school food healthier and more sustainable.

## AWARD WINNING

ProVeg was awarded the UN's Momentum for Change award at the UN Climate Change Conference (COP24) in recognition of our climate-focused schools programmes.' The award recognises examples of innovative, transformative and scalable climate actions from around the world.

Colette Fox,
Programme Manager, Proveg UK
Colette manages the School Plates programme. As a certified nutrition coach and co-founder of The Health Habit, Colette loves to inspire others to create and enjoy simple and nutritious plant-based food.

## SUSTAINABILITY

WE NEED TO EAT MUCH LESS MEAT AND DAIRY FOR THE FUTURE OF OUR PLANET - THAT'S THE COLLECTIVE VIEW of all the experts - and we agree.

Each year, we're seeing more independent reports - from the likes of the $\mathrm{UN}^{2}$, academic reports - from the likes of the $\mathrm{UN}^{2}$, ac
institutions ${ }^{3}$, policy think tanks ${ }^{4}$, and institutions ${ }^{3}$, policy think tanks ${ }^{4}$, and
environmental organisations ${ }^{5}$ - all calling for environmental organisations ${ }^{5}$ - all calling for
a shift away from animal-based products and towards a more plant-based society.
The Government's official climate change advisor, the Climate Change Committee (CCC), has called for the implementation of policies to encourage "a $20 \%$ shift away
from all meat by 2030 rising to $35 \%$ by 2050, and $20 \%$ shift from dairy products by $2030^{\prime \prime}$ in order to put the UK on the path to net zero. ${ }^{7}$
The CCC has also confirmed the need to reduce consumption of all types of meat, not just red meat. ${ }^{8}$

The climate impact of our food is also being recognised at a regional level. More than three-quarters of all local authorities in England (280 out of 343) have declared a climate emergency. Many of these local authorities are seeking to address the crisis through food, and are working with us through our School Plates programme.
Schools can play a huge part in this collective effort. It is estimated that UK schools serve around 735 million meals every year ${ }^{9}$ with most of those containing
animal-based products. Food production is responsible for $78 \%$ of the emissions of an average UK school catering service, with more than half of those emissions attributed to meat. ${ }^{10}$


## DID YOU KNOW?

Farming animals for food is responsible for more greenhouse gas emissions (at least 14.5\%) than the entire global transport sector.

It is also a leading cause of deforestation ${ }^{12}$, water use ${ }^{13}$, biodiversity loss ${ }^{14}$, and species extinction. ${ }^{15}$

Beef emits 20 times more emissions, per gram of protein,
than pulses such as beans and lentils. ${ }^{16}$


## HEALTH



Reducing childhood obesity, which is regarded by the World Health Organisation (WHO) as one of the Organisation (WHO) as one of the
most serious public health challenges most serious pubicic health challenges
of the 21 st century. ${ }^{20}$ According to of the 21st century. ${ }^{20}$ According to
the National Child Measurement the National Child Measurement Programme ${ }^{21,9.9 \%}$ of reception age
children (age 4-5) in England are obese children (age 4-5) in England are obese
with a further 13.1\% being overweight. with a further $13.1 \%$ being overweight.
By year 6 (age 10-11), $21 \%$ are obese and an additional 14.1\% overweight.
A diet based around vegetables, fruits, legumes, and whole grains, with less animal-derived saturated fat, can support children to maintain a healthy weight, lowering the prevalence of obesity. ${ }^{22}$


Reducing the risk of a range of Reducing the risk of a range of
lifestyle diseases. Deficiency in fibre - a type of carbohydrate that is only - a type of carbohydrate that is only found in plant foods - can lead to an increased risk of heart disease, stroke,
hypertension, obesity, type 2 diabetes, and several types of cancer. ${ }^{23}$
Most UK children are fibre-deficient, with only $18 \%$ of children aged 5 to 15 with only $18 \%$ of chiiaren aged 5 forting five standard portions of fruit and eating five standard portions of fruit and vegetables per day ${ }^{24}$ and almost one third of children aged 5-10 eating less
than one portion of vegetables per day. ${ }^{25}$ Hiwiwi

## INCLUSIVITY

## COMPARISON: MEAT-BASED VS PLANT-BASED

Let's take a quick look at a typical school meal - Spaghetti Bolognese - and compare a plant-based version against a standard meat-based version in terms of cost, health and sustainability. The figures stated below are per portion based on the School Food Standards' guide for primary school children.

Meals that are $100 \%$ plant-based are suitable for everyone, regardless of faith or dietary requirements (except some specific allergies, of course). Kosher certification allows that: "All products that grow in the soil or on plants, bushes, or trees, are kosher ${ }^{130}$, while fruits and vegetables are also considered halal.

This means that just one meal can suit everyone, saving time and money but also importantly - helping to ensure that no one feels left out or different. If the same meal is available to all, it reduces the likelihood of discrimination and bullying of minority groups around meal times.

SPAGHETTI BOLOGNESE
Cost $=61 \mathrm{p}$
Saturated fat $=4.7 \mathrm{~g}$
Fibre $=3.4 \mathrm{~g}$
Protein $=17 \mathrm{~g}$
Carbon emissions $=2,980 \mathrm{~g}$ (this is the equivalent to $11.9 \times 5$ min showers)
"VERY HIGH" carbon rating ${ }^{3}$

s. SPAGHETTI BOLOGNESE (VE)

Cost $=44$ p
Saturated fat $=0.6 \mathrm{~g}$
Fibre $=8.5 \mathrm{~g}$
Protein $=16 \mathrm{~g}$
Carbon emissions $=1,000 \mathrm{~g}$ (this is the equivalent to $4 \times 5$ min showers)
"MEDIUM" carbon rating ${ }^{32}$


Aimost every one of our dozens of partners has saved money from working with us. You can too!

## THE DIRECTION OF CHANGE

PUBLIC SECTOR EMBRACES SHIFT


## HOW?

We understand how challenging menu change might seem. From the attitudes of some catering staff to a perceived backlash from parents, we know it's not always easy. So the question is how, practically, can we So the question is how, practically, can we
introduce positive change so it's easy and works for everyone?

We always start by advising you to make your changes in phases. While the timeline is always your call - and it's good to be flexible and pragmatic - we believe that slow and steady wins the race. Below, we outline three typical phases that we know work well.

## PHASE 1

## REBALANCING MENUS, REMOVING BIAS

(1)LANGUAGE (2)POSITIONING (3)MEANINGFULCHOICE

Now, this might surprise you. In phase 1 , we often recommend that no actual food changes take place. Instead, phase 1 is all about giving the existing vegetarian food the best chance of being chosen by children.

For generations, the way that menus have been designed - also called 'choice architecture' - has weighted them heavily in favour of meat-based dishes. In other words, current menu design encourages customers to choose meat-based dishes.

This is because meat dishes are usually described more appealingly than
plant-based options, positioned in better locations on the menu, and there are usually more meat dishes on a menu, which nudges more people to choose them. Veggie meals are often an afterthought on menus!

However, even the smallest of tweaks to a menu's language and layout can have a huge impact on the uptake of dishes. We call this rebalancing menus
and removing bias.


## LANGUAGE

## POSITIONING

SELL THE DISH AND USE THE (V)

Put the same effort into selling all of your dishes, whether they contain meat or not. So often we see meat-based dishes described beautifully, with names that accentuate flavour texture, provenance, and key ingredients. For example, we might see: Sri Lankan Aromatic example, we migh see. Sti Lankan Arom Chicken Masala up against a vegetarian version of the same dish, simply called a Veg Curry. Or a Homemade Italian-style Spaghetti Bolognese up against a Meat-Free Bolognese. Neither of these feel like a fair fight.
Instead, give the plant-based option the same care, attention, and love as the meat-based dish. Make it sound as indulgent, delicious, exciting, and attractive as possible - in order to overcome prejudices that plant-based food is boring and bland.
Research also shows that terms such as 'vegetarian', 'vegan', and 'meat-free' can be 'vegetarian,' vegan', and 'meat-free' can be
off-putting and limit uptake to only those who off-putting and limit uptake to only those who
identify as vegetarian or vegan. ${ }^{37}$ Instead, just identify as vegetarian or vegan. Instead, jus
add a small (v), (ve) or (pb) at the end of the add a small ( $)$.
meal name.

SAINSBURY'S INCREASED UPTAKE OF THEIR 'MEAT-FREE SAUSAGE AND MASH' IN THERR CAFES BY 76\% SIMPLY BY RENAMING IT AS 'CUMBERLAND SPICED VEGGIE SAUSAGE AND MASH ${ }^{241}$


#### Abstract

This is a more subtle way of identifying that the dish is vegetarian or vegan/plant-based and will increase uptake of the meal.


By using a small (v), (ve) or (pb), you are then free to use more descriptive words in the meal name, that focus on:

Flavour ${ }^{38}$ : for example sweet and sour, spicy, mild, smoky, zesty, BBQ
Texture ${ }^{39}$ : for example sticky, chunky, crispy, creamy, melt-in-the-mouth
Provenance ${ }^{40}$ : for example Italian, Chicago-style, Cornish, traditional, homemade
Child-friendliness: for example rainbow, cowboy, monster, brilliant


RENAMING CARROTS AS
'X-RAY VIIION CARROTS' IN PRIMARY SCHOOLS INCREASED CONSUMPTION OF THE VEGETABLE BY 62\% ${ }^{42}$

Research tells us that meals on the top row of a menu will be chosen far more often than those positioned underneath. ${ }^{43}$ In schools, we almost always see meat-based meals listed on the top row, and the vegetarian option underneath it.

It's time to mix it up. Try moving some of the vegetarian or plant-based dishes from the bottom row to the top. This creates a more even balance of positioning between the dishes and seeks to remove any unintended bias created by positioning.

To aid this repositioning, rename your meal categories as 'Option 1' and 'Option 2' instead of 'Main Meal' and 'Vegetarian Option' Categorising the meat-based dish as the 'Main Meal' implies that it is normal or superior and that the vegetarian option is niche or inferior - something we want to avoid if we want to encourage the mainstreaming of healthier and more sustainable eating.

Also, try to avoid separating the meat-based and vegetarian dishes by colour as this reinforces habits, where children always choose the red dish or avoid the green dish.

## Main Meal

Vegetarian Option
Option 1
-

PHASE 1 SUMMARY:

Rebalance your menus and remove bias with:
(1) Language
(2) Positioning
(3) Meaningful Choice

## MEANINGFUL CHOICE

Very often, we see the vegetarian option being a veggie version of the meat-based meal - for example Pork Sausages and Mash and Veggie Sausages and Mash.
We understand this approach - as it's quicker and cheaper than making an entirely different vegetarian meal. But that tends to limit its uptake just to the vegetarian and vegan children, and we want to make healthy plant-based eating accessible to all!
What if you tweaked the vegetarian meal ever so slightly, possibly just adding one or two ingredients, and then renaming it to try and give the dish a whole new identity? This could tempt a lot of children who usually choose meat-based meals to choose the veggie option if they happen to prefer the sound of that meal.
We call this creating a meaningful choice.
For example, continuing with the sausages-andmash scenario above, if you added to the veggie sausages:

a Yorkshire Pudding you could create a Toad-in-the-Hole (ve).
some beans and sauce or gravy, you could create a casserole, which you could call a Cowboy Casserole (ve)

a bread roll, you could create an American-style Hot Dog (ve).

## PHASE 2 - PLANT-BASED DAYS

The best and easiest way to help children to eat more vegetables, reduce climate emissions, and save money is by introducing more plant-based days. It's also a recommendation in the current version of the School Food Standards, to "Encourage all children to have a meat-free day each week, using alternatives such as pulses, week, using alternatives such as
soya mince, tofu and Quorn".44
What does plant-based mean? Plant-based means foods that are derived from plant sources. This includes fruit, vegetables, grains, pulses, legumes, nuts, vegetables, grains, pulses, legumes, nuts,
and meat substitutes. It excludes all foods and meat substitutes. It excludes all foods
that are derived either wholly or partially that are derived either wholly or partially
from an animal, including meat, fish, eggs, from an animal, including meat, fish, eggs,
and dairy products such as cow's milk and and dairy products such as cow's milk and cheese. ${ }^{45}$
How many plant-based days is enough? The School Food Standards, which at the time of writing this guide are going through time of writing this guide are going through
an update, allow for up to two fully plantbased days each week. ${ }^{46}$ So let's aim for that!

How fast should you get there?
In phase 2, we recommend that you:

- Make your meat-free days fully plantbased (if they're not already); and
Add one additional plant-based day per week, regardless of how plantbased your menu currently is. As a guide:
- If you don't have any meat-free days, introduce one plant-based day per week.
- If you have between 0-2 meat-free days per 3-week cycle, we recommend that you: 1. make them plant-based; and 2. increase it to one per week.
- If you already have one meat-free day per week, we recommend that you: 1. make it plant-based; and 2. increase it to twice per week.

INTERACTIVE LEARNING

Planet-themed days are also an opportunity for interactive learning with activities such as a 'design a poster' competition, a class quiz, or a plant-based cooking class. We can provide useful materials such as factsheets and posters to help raise awareness.

PHASE 2 SUMMARY:

1) Make your meat-free days fully plant-based (and no calling them Meat Free Mondays anymore)
(2) Add one new plant-based day per week, up to a maximum of two per week
(3) Consider a planet-themed day

What is a planet-themed day?
This is an opportunity to raise awareness of the climate emergency, and help children to make the connection between the food we eat and the future of our planet.
It should be a fun and thought-provoking day highlighting the role that children, teachers and parents can all play - starting with the food that we eat - and where children try out delicious plant-based foods that they will want to enjoy for the rest of their lives.
What will you call your planet-themed day? Feel free to choose your own name, but here are a few suggestions.

- Love our planet - Planet-power day
- Save our planet - Plates for our
- Protect our planet planet

Now for language. We recommend that you avoid the term 'meat-free' since this implies that something is missing from a dish. So no more Meat-Free Mondays!
Instead, choose to either not brand the day or opt for a themed day, such as one centred around the planet or the environment.
Also, try mixing up the day of the week you have it on. Go for a Tuesday one week, for example, and a Thursday the next. This helps to normalise the idea of eating healthier, more sustainable food on
any day of the week.
-

## MAEAT FREE MOWDAY

 PLANET-THEMED DAYS
## A planet-friendly day is an

opportunity to serve only the most sustainable foods. That means 100\% plant-based meals. Ideally, these will include beans and legumes (such as chickpeas and lentils), be mostly unprocessed, and locally sourced, and seasonal, wherever possible. A couple of meal ideas for your planetfriendly day menu include:

- CARBON-BUSTING BURGER
(a plant-based burger made with mixed beans) with sweet potato wedges and a BBQ sauce.
. PLANET-FRIENDLY PIE
(a plant-based cottage pie)
with seasonal vegetables.



## PHASE 3

## FEEDBACK FROM CATERERS

CHEF TRAINING: WE BRING OUR PLANT-BASED CHEFS TOGETHER WITH A GROUP OF DEVELOPMENT CHEFS, AND SOMETIMES ALSO A SUPPLIER, IN ORDER TO EDUCATE AND INSPIRE EVERYONE TO THINK AND WORK DIFFERENTLY WITH PLANT-BASED FOOD.

Our mission is to make preparing plant-based food a pleasure, not a chore.

In this one-day session, led by a professiona plant-based chef, we recap why it is important to get children to try and enjoy more plantbased foods. We cover basic knife skills and techniques, useful ingredients your catering team may not be familiar with and how to use them, as well as some nutrition basics

We look at how to substitute ingredients to create plant-based versions of your favourites, as well as getting stuck in making some new recipes and enjoy tasting them! We also provide a recipe guide with plenty of our tried and tested plant-based recipes designed specifically for school caterers.

## EDUCATIONAL WORKSHOPS

We can also deliver webinars for
groups of schools on sustainability or plant-based health, often together with our medical-professional partners.

## PLANT-BASED DAYS

We also recommend in phase 3 that you add one more plant-based day per week - up to a maximum of two per week in line with the current version of the School Food Standards.

DESSERTS AND SIDE DISHES
Now that you've cracked how to
deliver great plant-based main dishes, we can introduce you to some new
recipes for plant-based side dishes and desserts - all of which are healthy, sustainable, and low cost.

## IMPACT MEASUREMENT

We can help you to measure the impact
from changes made in phases 1 and 2 by
analysing before-and-after data, as long as this can be provided. We can calculate the approximate number of animalbased meals that have been swappe for animal-free meals per year, and the carbon emissions saved as a result.

PHASE 3 SUMMARY:
(1) Book your chef training with us
(2) Increase your plant-based days to two per week
(3) Introduce new plant-based side dishes and desserts
4) Let us help you measure your impact

## LEEDS CITY COUNCIL

"We've found it really beneficial working with ProVeg. The team made some really useful suggestions with the aim of boosting uptake of our vegetarian and vegan options, such as changing the wording to more child-friendly language. They were also able to provide healthy and affordable recipes which we are looking forward to trialling in our schools."
Holly Shakespeare,
Public Health Nutritionist
Catering Leeds

## NOTTINGHAM CITY COUNCIL

"ProVeg are extremely well organised and supportive with the tips and tricks to make changes to our menu that will help to influence our pupils' choices. They have remained very positive throughout the process and given us the support needed to make the changes. This has all been done at our pace to keep meal uptake at current levels or higher.
"Our menus now read better, and the new dishes we have created have been very well received With their knowledge and experience of working with local authorities, ProVeg UK is a good fit as a partner organisation for us."

## Jacquie Blake

Commercial Operations Manage
Nottingham Catering

## THANET PRIMARY SCHOOL

"Working with ProVeg UK has really helped to shape the direction we wanted to take our school menu to reduce meat consumption. Meetings have been effective to allow friendly discussions to take place and provide useful feedback on our menu change

Advice has also been invaluable as experience has been offered to us to help us make changes smoothly, avoiding potential pitfalls. We are looking forward to continuing to work together in the future and would relish the opportunity of chef training workshops."

## Julie Shortman,

Deputy Headteacher, Thanet Primary School
Hull (part of Horizon Academy Trust)

THOMAS DEACON EDUCATION TRUST, PETERBOROUGH
"The support we receive from regular discussions with ProVeg UK allows us to look at what else and where else we can have impacts. It has allowed us to make else we can have impacts. It has allowed us to mak
savings in our purchasing across TDET of around $20 \%$ across our schools.
"The uptake on vegetarian meals has increased across TDET by around $10-12 \%$, and we have found that customers are looking for a wider variety of vegetarian and plant-based meals. I look forward to carrying on with working with ProVeg UK to look at other ways we can healthily feed the students to help support their educational needs."
Michael Dove,
Catering Operations Manage
Thomas Deacon Education Trust

## LONDON BOROUGH OF HAVERING

The input from ProVeg, by providing us with simple adjustments such as rephrasing menu descriptors, has enabled us to improve customer engagement The support and engagement from ProVeg has been well received by all in the service and we look forward to continuing our work with them."

Charlotte Newman,
School Catering Nutritionist
HES Catering


## FEEDBACK FROM SUPPORTERS


＂I＇m an unapologetic lover of veggies－they＇re good for me，my family，and the planet．My kids love their veggies too，but like most parents，I＇d love to see them eating even more！Eating vegetables should be tasty and fun，so I fully support programmes like Schoo Plates which works with schools to improve th nutrition and sustainability of their menus．＂

## JASMINE HARMAN，

TV presenter，Channel 4＇s A Place in the Sun

＂School Plates simply asks that we work together to help get kids to eat more plants．And I think their recommendations are a great starting point．They yield wide－ranging benefits and are less expensive in both the short and long term．What＇s not to love？＂

## DEREK SARNO，

Chef and Director of Plant－Based Innovation， Tesco PLC and co－founder of Wicked Healthy

## FEEDBACK FROM PARENTS

＂It＇s good to see less meat on menus and varied meat－free options．Well done．Keep it up．＂
＂My children normally will not eat vegetables，but on meat－free days my son comes home saying that the lunch today was yummy and that he tried and liked the vegetables．＂
＂Can meat－free days feature more than once on your menus，please？＂

It is good to see TDET driving the message about eating less meat to help all in the future．＂
＂My two children normally have a packed lunch but， on meat－free days they always want to have a school dinner．＂
＂I wish more schools would introduce this as one of my children enjoys this through TDET and my other child does not have this from his school．＂
＂I wish this was around during my days at school． A good job being done by TDET Catering．＂

Parents of pupils at Thomas Deacon Education Trust

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