

## Supercharge Your Sleep #3 Motivation Station

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### Welcome back!

Happy Friday!

How are you feeling? The sun came back out yesterday which will have given many of our circadian rhythms a bit of a boost.

(I got a little sunburnt out rowing... occupational hazard at the moment!)

Hopefully you haven't forgotten about your sleep habit goals, but if you have, fear not! This week is a great time to re-visit your motivations and maybe even ramp it up a step.

Over the page you'll find an image reminding you of some of the key ways that sleep fuels the brain.

Sleep is not just a 'nice-to-have' it's utterly essential if you want to be able to perform at your best, as well as to protect your long term health.

In the exercise this week, think about what is **MOST** important to you, and use that desire to reinforce the habits you're tracking this week.

You've got this. Keep it up. I'll be back next week with a bit of a teaser before Thursday's session, which is all about the most powerful techniques to tackle insomnia.

Have a great weekend,

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# BUILDS BRAIN HOW SLEEP

# POWER



## Coping with stress

in check by the logical PFC. One night sensitivity increases by 60%. The PFC hormones and boosts positive mood. like mountains. Sleep reduces stress detection switch, and is usually kept goes offline, making molehills look The amygdala is the brain's threat with no sleep, and amygdala

REM or dream sleep boosts creative

## Focus & attention

without sleep, or multiple nights with starts to slow down. We're prone to alertness/sleepiness. Just 24 hours fewer than 7 hours sleep, and the micro-sleep' lapses in attention. activity in the thalamus and PFC The thalamus is the gateway to

# **Conversation skills**

cortex can make even mundane tasks

more likely to create false memories.

harder and more tiring. We're also

We rely on working memory to make

**Working memory** 

rapid everyday decisions and simple

calculations. When we're short of

sleep, less activity in the parietal

rested, the brain is able to recruit the divergent thinking – we get better at temporal lobe for verbal processing and the inferior frontal gyrus for Tongue-tied? When we're well thinking on our feet.

arietal Lol

**Anterior Cingulate** 

Cortex

information. One night without sleep into the larger neocortex, renewing allows for consolidation of memory new information in the short term storage of the hippocampus, sleep When our brains are saturated by can impair recall of facts by 40%. our ability to take in new

## Learning

Hippocampus

nalamu

Orbito Frontal Cortex (OFC)

# Long term function

emotions relies on sleep. When sleep

Our ability to recognise others'

Empathy

network are altered – we struggle to recognize facial expressions and bias

deprived, the insula, ACC and ToM

cowards registering threats. We are more likely to react with aggression

than empathy, and more likely to

withdraw socially.

During deep sleep, the gaps between brain cells widen and toxins like beta amyloid are flushed from the brain via cerebrospinal fluid, which may help to protect long term brain

## Creativity

dreams may help to slot information into context, enabling unconscious problem-solving ability. Replaying links which we were not aware of real and imagined memories as during waking hours.

Self-control

the OFC and insula – more hedonistic altered activity in reward circuits in function in the PFC. This results in control and – in combination with activity in our centre of executive ess strategic thinking, lower self-Sleep deprivation results in less and risky behavior.

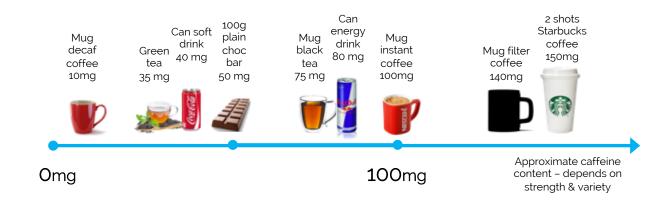
## Why? Motivation for action

Research shows that you're more likely to adopt new habits if you have a strong motivation to change. So, please tick the THREE MOST IMPORTANT reasons why sleeping well is important to you:

I wou	ld really like
0	more energy to enjoy life.
0	to be able to cope better with stressful situations.
0	to improve important relationships e.g. partner, children.
0	to improve my performance at work e.g. focus, creativity.
0	to improve my physical health e,g. fewer infections, less pain.
0	to improve my general wellbeing.
0	to end the frustration of being unable to sleep.
0	to be able to support colleagues/friends/family with their sleep.
What	made you join this challenge? What's the best possible outcome?

If you feel your motivation waning at any point, it's worth returning to this page.

## HOW MUCH CAFFEINE?



A review of the effects of caffeine on health by the European Food Safety Directive in 2015 concluded that consuming **400mg** per day did not give rise to safety concerns in non-pregnant adults. For pregnant and breastfeeding women, there were no safety concerns for daily intake up to **200mg**.

The research behind these numbers is based on body weight – around **6mg/kg** per day is deemed safe. That's around 400mg for me - what's your safe limit?

It's difficult to assign an exact amount for everyone because people can have very different sensitivities or reactions to caffeine based on age, medical history, and tolerance.

Caffeine can increase heart rate and blood pressure. Therefore, those with heart arrhythmias, murmurs, and hypertension may be advised by their doctor to limit their caffeine intake. If you feel stressed during the day, caffeine can actually increase the stress response, and make it harder to relax.

These recommendations did not specify the *timing* of caffeine consumption in relation to sleep. Research has shown that caffeine consumed 6 hours before bed can still disrupt sleep quality, and make you feel tired and groggy in the morning.

- Have you tried tracking your caffeine consumption for the day? Jot down how many teas and coffees you drink in a day.
- If you're reducing your caffeine intake, try a gradual reduction over several weeks to avoid withdrawal effects.

# Sleep diary & habit tracker



Fill in your planned wake up and ready-for-bed times at the start of the week. Choose up to 3 pro sleep habits to keep track of. At breakfast each morning, tick successes from the previous day, and feel good about any successes!

Start date:	Ехашріе	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Target wake up time? (Get out of bed within 10 minutes for a tick)	5:30avh							
What's your target bed time? (Only sleep when sleepy)	10:30tm							
How many hours were you in bed for last night?	9 hours							
How many times did you wake up? How long for in total?	2 (1 hr)							
How many hours were you asleep for?	6 hours							
What was your Sleep Efficiency? = hrs sleep/in bed'100	678							
1. e.g. get outside for 20 min	۲							
2. e.g. no eating 2hr before bed	٨							
3. e.g. phone out of bedroom	۲							
Rate your energy yesterday: 10=best ever, 0 = none	8, good day!							