

# the science of

#### adaptability

a white paper

### mindflick<sub>®</sub>

Written by Liam Burnell Designed by Pati Dlugosz

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#### the science of

# adaptability

If we journeyed back over 15,000 years into the loe Age, the world would be awash with hundreds of weird and wonderful species. Some we would recognise from today, yet many would be unfamiliar to even the most hardened traveller.

Over the next 5,000 years, the world and its inhabitants faced dramatic change and a significant challenge to survive and flourish. Global temperatures started to rise, as both the Earth and its atmosphere began to change. The human population started to boom, yet the Woolly Mammoth, amongst other species, would vanish altogether and be confined to the pages of history books.

In what became his ground-breaking work, On the Origin of Species. Charles Darwin laid out the foundations of his theory of

evolution, as he sought to explain how certain species survived and multiplied, while others perished into extinction.

As Darwin eloquently demonstrated, it wasn't the intelligence or physical strength of a species that predicted its survival. Instead, it was those species that best adapted to changes in their immediate surroundings that ultimately survived. In contrast, those that failed to adapt fizzled into extinction.

While Darwin popularised the science of adaptability, its meaning today goes beyond survival. In this white paper we will explore some of the most up-to-date thinking in this area and outline some of the ways in which Spotlight may open conversations for the development of adaptability.

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# What is adaptability?

Within contemporary research, adaptability has been studied within the fields of emotional intelligence. personality. Jeas been fields intelligence. personality. All of these fields have shown adaptability to be critical in the pursuit of high performance, making it a much-desired trait within sport, business, politics, and education. But what do we actually mean by the term 'adaptability' and what does it look like in a modern context?

Whilst all of these fields have explored adaptability in unique ways, they have shared a focus on how we use different elements of our personality to behave effectively within the environment we find ourselves in. A recent research programme that has investigated the concept of 'personality adaptability perhaps best represents this notion." This explored and compared differences in an individual's ability to select a personality state across

different situations, with the intention of gaining a desired outcome - which may result in behaviour that is more or less in line with an individual's personality preferences (e.g., can people with naturally low extraversion demonstrate higher levels of extraversion when a task requires?).

Building on this work, we can define adaptability as the capacity to spot a changing context and shift our behaviours or mindset to achieve a goal. It is a two step process of first recognising when our natural personality preferences and biases may not result in us achieving a goal, before subsequently being able to tap into characteristics that would be more helpful to us in a given moment. It has many different dimensions that allow us to respond effectively to new team dynamics and organisational cultures, and different people, social groups, and physical environments.

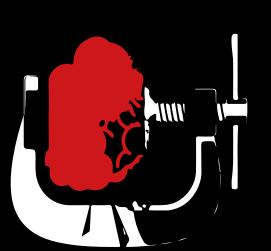


Adaptability is the capacity to spot a changing context and shift our behaviours or mindset to achieve a goal

Interestingly, the opposite of adaptability, has also caught the attention of some researchers a term that has been coined as 'fixedness' or 'rigidity' People who are more rigid or fixed tend not to shift their approach despite the presence of contextual cues, and are characterised by a mindset of "this is the only way". Unlike someone who is more 'rigid' or 'fixed', an adaptable individual can flex their personality to continue to perform in a changing context. They can tap into the behaviours and mindsets needed to be both disciplined and creative, thoughtful and expressive, and spontaneous and topical

and spontaneous and logical.

Often characterised as agile, flexible or versatile and being benefits not only to themselves, but also to their whole team. Even more critically, studies repeatedly show that adaptability is something that we can learn, develop, and grow. However, before exploring this further, we will first investigate the evidence which flustrates the benefits of adaptability...



# The benefits of adaptability

Understanding adaptability as our capacity to spot a changing context and shift our behaviours or mindset to achieve a goal, we can begin to investigate some of the specific benefits that are associated with it. For ease of reading, we have grouped these findings into five main areas. These areas, which include relationships, performance, mental health, transitions, and leadership, will subsequently be discussed in greater detail.



### Relationships

One area of research in the field of adaptability has looked at how it links to the quality of our relationships. This interest has particularly focused on how we adapt the way we communicate, with people viewing others who can change the way they communicate depending on their audience more favourably and This is because the ability to adapt our communication style helps to build trust, and increase understanding between individuals.

To harness these benefits means to recognise another person's preferences and then shape our communication or message in a way that helps them to understand and appreciate it. By framing a message based on an individual's primary personality preferences in this way, we can increase the effectiveness of our communication and prevent messages from being lost in translation.

One particular study of note that illustrates the impact of the ability to adapt our communication style focused on the interactions between doctors and their patients. This study found that through the recognition of their own personality preferences, doctors were able to identify situations in which their default communication style may not

suit a patient-doctor interaction. By recognising this, they were able to flex their tone of voice, choice of words, and body language to better suit the client's own preferences, rather than their own personal biases, enabling them to quickly create a connection with their patients, and be more effective in their work.

a situation, and put ourselves into the in to the needs and perspectives of workplace... friends 🕮 and family 🙉 , and also in the with other people, resulting in happier, us to better interact and empathise a flexible communication style, allows shoes of others. This, combined with truly see the different ways of seeing adaptability, we are better able to with. This is because, with increased understand those that we interact others - enhancing our ability to truly intelligence rests, helping us to tune building blocks upon which emotional adaptability is also one of the key enhance relationships. Indeed, of those we interact with can also the world view and perspectives Furthermore, better understanding nealthier relationships both with our

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### Performance

Alongside improving our relationships, adaptability can also increase performance in a number of different ways. Several studies have illustrated that adaptability improves an individual's ability to solve novel tasks<sup>22</sup>, whilst also increasing resilience<sup>22</sup>, creativity<sup>22</sup>, and problem solving<sup>23</sup>. This allows an individual to creatively overcome problems, navigate adversity, and respond to unexpected and changing demands.

With increased adaptability, we are able to make better decisions because of our ability to look at a situation from multiple perspectives. We are able to appreciate different ways of solving the same problem, seeing both the opportunities and risks such solutions may pose, and also shift our focus to more relevant information in unpredictable situations. Furthermore, we are able to learn new skills more effectively, adjust our interpersonal style when working in teams, and remain calm within stressful situations in order to behave effectively.

In sport, this allows athletes to change their style of play, perform under pressure, and work effectively with a number of coaches<sup>2,2</sup>, whilst in the military adaptable individuals respond calmly to ambush, working with others to make effective decisions in lifethreatening situations<sup>2,12,22</sup>, All of these

abilities make adaptable individuals highly valued by employers in a number of industries<sup>222</sup>, as they are able to consistently perform to high standards in fast-moving professions, including business<sup>222</sup> and even the arena of comedy<sup>22</sup>. Not only does this make them more employable, but also brings performance benefits to their teams in highly pressurised situations<sup>223</sup>.



## Mental Health

With better relationships, and higher levels of performance, it is unsurprising that adaptability also benefits mental health.

A recent large-scale study of Australian secondary school students showed that not only do those who are more adaptable participate in class more, but they also enjoy school more, are more satisfied with life, have a higher self-esteem. These findings are consistent in adult populations too, with studies linking adaptability to increased job satisfaction. Substitutes well as highlighting it as a potential protective factor against mental health difficulties.

These positive mental health effects are likely to come as a result of adaptable individual's being able to recognise situations which require a change in mindset or behaviour. When this ability is absent, individuals are unable to flex their thoughts and behaviours to obtain positive outcomes from the world - which may result in a range of negative emotions.<sup>222</sup>

Alternatively, highly adaptable individuals often come across as resilient, a trait linked with positive mental health. This is because

they are able to adjust how they respond to adverse situations, and are more able to move on and learn from unexpected failures. This ability results in the experience of more positive emotions as individuals are more realistic about the control they have over negative events, allowing them to disconnect their identity from adverse outcomes. Furthermore, they also feel more fulfilled as they are better able to persist in the pursuit of goals under negative situations.

This wealth of evidence suggests that increasing adaptability within young people and the workforce should be a primary goal for schools and organisations, alike - leading to happler, healthier, more engaged workforces who have her belility to navigate uncertainty and change.



#### Transitions

In the high performance context of elite sport, athletes face numerous transitions throughout their career. From the transition between youth and senior sport, and subsequently through into retirement, how athletes respond to such changes can often determine their career success. However, it is not only sport where transitions occur, with people now changing jobs, on average, at least once every five years.

they may usually interpret only danger (43), or respond to the demands are better able to respond to change in the case of redundancy....... in a number of contexts, including experience throughout the course of many transitions an individual may more favourable experience of the surroundings. This allows for a behaviours in-keeping with their new the need to opt for alternative of a new culture by recognising jobs) by seeing opportunity where (e.g., the devastation of losing their individuals with greater adaptability new country<sup>△2</sup>. This is because and even when moving to a education to the workplace , with research demonstrating this contributes to successful transitions, interesting that adaptability also For this reason, it is particularly retirement™, the move from

with this in mind, more adaptable individuals not only respond more positively to transitions within their industry, but they may also be more suited to moving across industries. This makes them more employable. This makes them more employable and can also lead to better mental health and career satisfaction at times in life when such things are particularly prone to suffer...

people to develop and grow their that can be learned 🕮 , allowing these approaches is something to fluctuate and adapt between Importantly, the ability of leaders Olympic gold.

organisations, or, in this case, win the most out of their teams, grow styles is what leaders require to get between contrasting personality this continuum to meet their needs. desire to then choose to move along the needs of their athletes, and the relied on being highly attuned to and benevolence (e.g., a people (e.g., unwavering high standards) continuum between 'driven-ness' was the ability to move along the found that behind their success winning coaches in Olympic sport A recent study of multi-medal

This 'chameleon-like' ability to move



#### Leadership

into leadership styles they may not their preferred methods and tap they are able to stretch beyond engagement<sup>™</sup>. This is because and elicit better employee relationships with their workforce, crisis situations, create better likely to respond effectively in better leaders, as they are more adaptable individuals tend to be Finally, research shows that more

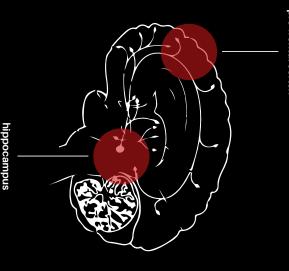
naturally use

psychologically safe environment ability to breed trust and confidence performance environments, helping

dynamics observed within high within others and create a benefits already outlined. own teams and tap into all of the them to curate success within their able to balance some of the key With this in place, leaders are then

#### of adaptability The biology

pre-frontal cortex



change in context, before responding by flexing behaviour or mindset. However, what does this look like within the brain? step process that involves spotting a As we have seen, adaptability is a two-

Whilst there is a large network of regions involved, there are two key structures we are interested in - the cortex Del. hippocampus and the pre-frontal

The hippocampus detects changes in our environment by comparing the current situation to those we've been in before. By doing this, it spots when things may be different to what we would expect. It then communicates this information to the pre-frontal. of the current situation. our behaviours to meet the demands personality and behavioural control, which then chooses whether to shift cortex, an area of the brain linked to

identify changes in context or exhibit behavioural control ... This is because regions become damaged or impaired due to stress, we are no longer able to We know this because when these overall message... a stressed brain is

# Spotlight and developing adaptability

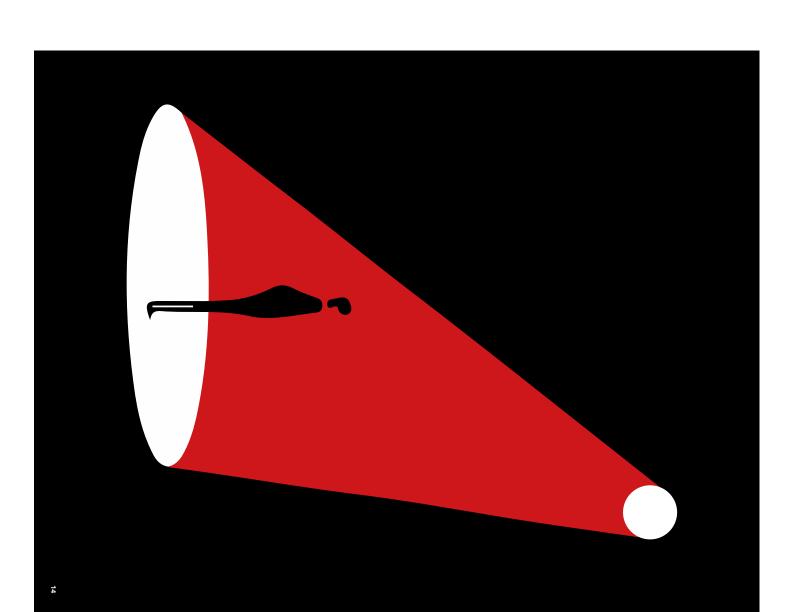
Alongside the array of benefits outlined, one of the most critical features of adaptability is the fact that it can be developed... Research across a range of contexts.

Awingstee the array of behiefits outlined, one of the most critical features of adaptability is the fact that it can be developed.<sup>22</sup>. Research across a range of contexts.<sup>20,120,20</sup>, has demonstrated that adaptability is not a fixed trait, and that individuals can learn to grow and expand their ability to adapt.

Recognising the value of adaptability, Spotlight is a personality preference tool that has been developed to help individuals grow their personal effectiveness and their ability to flex their mindset and behaviour. Indeed, psychological adaptability sits at the heart of the philosophy of Spotlight, which explores an individual's mindset and behavioural preferences on two distinct frameworks. The COPE (acronym) framework helps individuals understand their own mindset preferences when there

is something to win and something to lose (based on sensitivity to reward and threat), while the FLEX (acronym) framework helps individuals understand their behavioural preferences based on extraversion and agreeableness preferences (from the 'big five' personality model[100]).

Spotlight is aimed at providing a window for conversations to improve adaptability through first making people more aware of their personality preferences. Subsequently, it allows people to understand how they get the best out of themselves based on their preferences, and provides a simple and intuitive framework to help people flex away from their natural preferences when a different perspective is required. Specifically, Spotlight is aimed at enhancing adaptability through the three areas that follow.





# Develop self-awareness

others may perceive them. affect the way they behave and the way strengths, blindspots, and biases, and effectively recognise their own character can build the self-awareness needed to the FLEX and COPE models, individuals exploring personality preferences on is to increase their self-awareness. By linked and one way of helping and self-awareness are inherently and mindset preferences. Indeed, begin to understand how these may people to develop their adaptability research has shown that adaptability identifying an individual's behavioural Spotlight increases self-awareness by





# Recognise over-played strengths

Upon discovering these preferences, Spotlight helps individuals to recognise and reflect on when these preferences serve them effectively, and also when they might start to overplay their strengths, meaning they no longer serve to be useful. This allows individuals to consider how their natural preferences may be moving them further from a specific end goal, and identify the contexts in which flexing from their preferences may be how their natural preferences may be moving them form their preferences may be moved.

By understanding their preferences, individuals can recognise what the strengths of these look like in their sweet-spot, and also in what situations they might be at risk of over-playing them. This recognition is critical to effective adaptability, as fixedness results from not recognising when we are overplaying our strengths.

Alternatively, not recognising the situations when our natural preferences do serve us well can lead us to under-doing our strengths, resulting in an image of inauthenticity and inconsistency. Therefore, Spotlight aims to help individuals understand how to keep their preferences in their sweetspot whilst avoiding over-playing these strengths by adapting when necessary.





# A framework for movement

Having recognised when alternative behaviours or adopting a different mindset may bring about benefits, it is now time to move. This process of moving, which involves temporarily flexing away from our usual preferences to alternative methods, allows us to overcome immediate challenges within the environment, foster better relationships, and achieve the other benefits associated with adaptability.

Spotlight provides two intuitive frameworks, grounded in the science of personality, to help navigate people around different perspectives. By appreciating these different perspectives, individuals can gain insight and understanding about simple ways they can flex their behaviour or mindset to perform more effectively.



### Final thoughts

To summarise, adaptability, the capacity to spot a changing context and shift our behaviours or mindset to achieve a goal, is related to a range of benefits that are associated with relationships, performance, mental health, transitions and leadership. As outlined, Spotlight is designed to help us be more adaptable by improving self-awareness and helping us to recognise contexts in which moving away from our preferences brings us closer to our goals. This can bring a whole host of benefits in what is an increasingly changing world. But does this mean we should be constantly changing?

To return to Darwin and his theory of evolution, if an animal were to move so far away from the traits that served its survival, it would likely lose its competitive advantage as it would be unable to benefit from alternative traits to the same extent as those it tries to emulate. This is to say that adaptability is not to completely move away

from what makes us who we are. Instead, adaptability is something that we should use alongside our unique capabilities and strengths to gain the advantages of authenticity.

roles) [55]. Only by striking these balances can with flexibility (e.g. maintaining reputation of balancing the upside of fixedness (e.g. are fixed, but to behave in a way so that to improve our competitive edge and really adaptability in its finest form - allowing us we be truly authentic while also harnessing strength (e.g. doing what is right in these behaving in line with our social roles) with stability (e.g. connecting to our history) (e.g. behaving in line with these values); staying true to our values) with change our needs are being met [54]. It is the art personal benefits adaptability can offer. appreciate some of the personal and interthrough evolving methods); malleability (e.g. To be truly authentic is not to say that we

## summary

Spotlight can be used to improve adaptability because it allows individuals to understand their mindset and behavioural preferences, recognise when they might not work, and provides a framework to start developing adaptability in these circumstances

performance, mental health, relationships, leadership, and transitions

adaptability centre around

achieve a goal
The benefits of

Adaptability is the capacity to recognise a need to change before responding to this need by adjusting our

behaviours or mindset to

If you want to know more, check out "Adaptability: A Primer" by D. Goleman, R. Boyatzis, R.J. Davidson, V. Druskat, and G. Kohlrieser

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