Induction Session

Induction day Session for Year 6 Pupils July 2018
P5 and 6

You have a double lesson to complete all of this so please think carefully about timings prior to the lesson.

Di I Now

- ➤ Write down 5 things you would love to be able to do/learn but have never tried.
 - Be realistic Going to space may be a bit adventurous at this stage.









Ballet steps, Circus skills, Conjuring & magic, Singing, yo-yoing, beat boxing, paper airplane construction, growing crystals, making yoghurt, Astronomy, IT using word, power point, excel, designing a web-page, Weather/meteorology, dog training Music Church bell ringing, Composing, Djing, learn an instrument, l ening Cards What do people get from oes, Kite games(i.e. engaging in activities like these? Alternative construction therapies, head and back massage, Cookery, First Aid, Money management, Navigation, map reading and orientation, stamp collecting, coin collecting, Bird watching, learn a new language, learn songs in a new language, start an online blog or radio show, learn sign language, Cake decoration, survival skills, Candle-making, Ceramics Clay modelling, Crocheting, Cross stitch, DIY Dough craft, Drawing, Dressmaking, Egg decorating, Embroidery, fabric printing, Feng Shui, yoga, tai chi, Floral decoration, Glass painting, Interior design, Jewellery making, Knitting, Lace making, calligraphy, Mosaic, Patchwork, Photography Pottery, Soft toy making, Woodwork, DIY

- They build self esteem allow you to get better at something and feel successful
- Help you to problem solve
- Build resilience and perseverance
- Give you something to look forward to
- Help you to meet new people and make friends
- Give you something to talk about and be passionate in.
- Supports you to build self and time management skills
- Supports you to develop team working skills and learn to collaborate
- Supports you to develop leadership skills
- Releases stress
- Keeps you fit
- Allows you to think creatively and experiment
- Makes you more aware of your body
- Builds confidence
- Build new skills

Question: So why are we talking about this now?

Answer: Because these principles are the main ideas within High Performance Learning

What is High Performance Learning?





Risk-Taking

Values, Attitudes and Attributes Your Learning behaviours





Realising









Analysing

Advanced Cognitive
Performance
Characteristics (ACPs)
Ways of thinking that
will help you to learn
more effectively

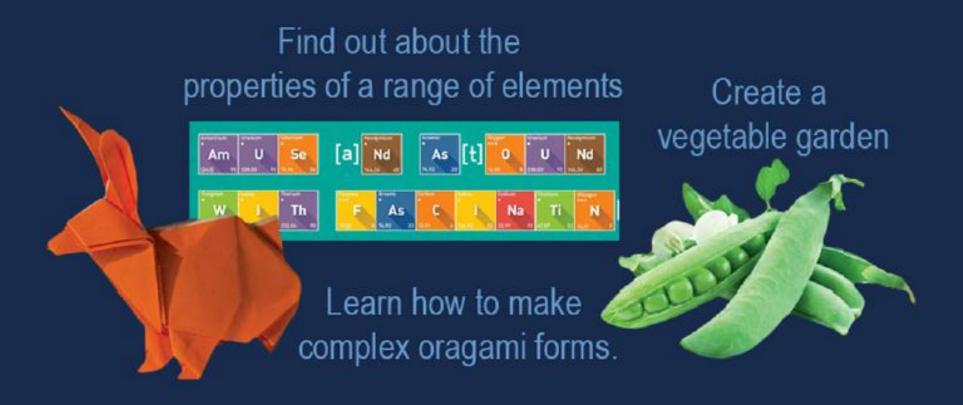
Welcome to Sydenham Schools Dare to be Challenged Project



Key Aims of the Dare to be Challenged Practice Project



Summer Challenge





JUST FOR FUN







You now need to decide on what your summer challenge could be.

Dare to be Challenged

Speak a second (or third!)

dentify geography. Be able to

Learn more about the cultures of the countries you hope to visit one day.

Play an instrument. The harmonica,

Cook an authentic recipe
from your favorite country

Pick out good produce. D

HEALTH & SAFETY/



HELPFUL SKILLS

- Write HTML or other com-
- Create a web page. Wouldn't
- Become skilled at storytelling.
- Write in shorthand, or in other words, taking notes really fast. It's useful for learning from all of those quick-speaking teachers at school or in Church
- Do creative writing. Or tell your story, but tell it in a fun
- Learn to iron like a pro.



we are going to be reflecting on your challenge for the whole first term so it is really important you try

My Summer Challenge

My summer challenge is going to be:

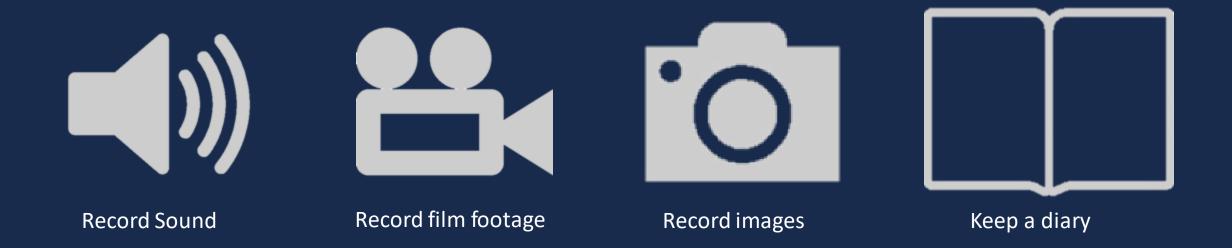
My overall goal for this challenge is:

I am going to ask to work with me. They could help me by

I am going to practiced my challenge skill: (How often, When and for how long?)

Dicument your JiUrNeY

Think carefully about how you will document what you have achieved.



Which methods will best suit your project?

Target Setting

Think carefully about your skill/challenge and set goals for the following stages. For each one explain what you hope to be able to do. Use this juggling example to help you.

Choosing My Challenge – e.g. – I have tried to juggle in the past but have never been able to. My dad can juggle three balls so I am going to ask him to help me.

Planning My Challenge – e.g. I set my self the goal of juggling three balls by the end of the 6 weeks. I decided I would practice at least 4 times a week for 10 minuets.

1 Week into my challenge - e.g. – Organise equipment, plan practice times, watch you tube videos and organise my equipment.

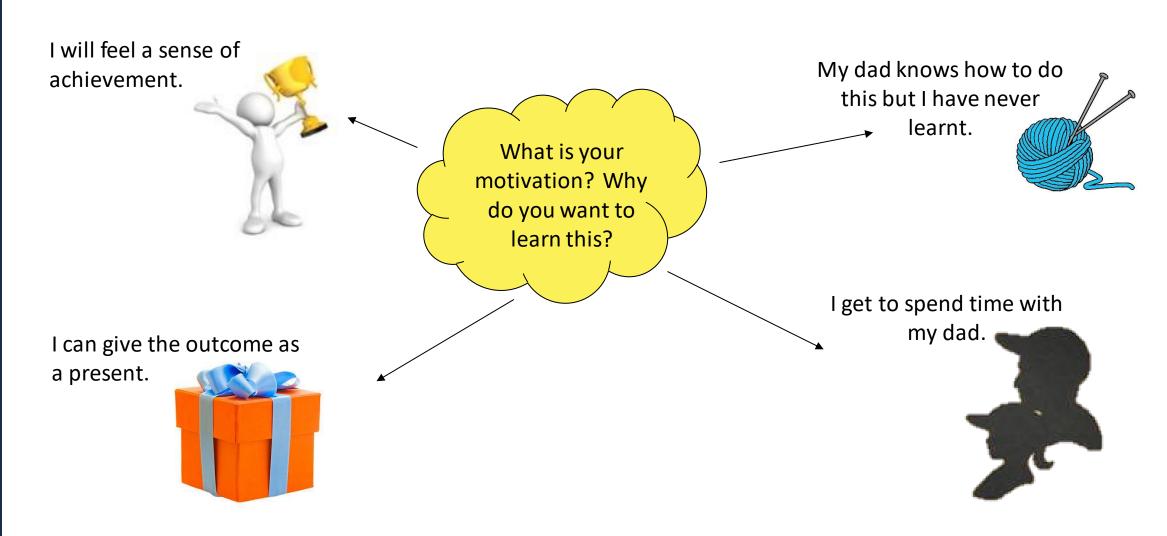
- 3 Weeks into the Challenge e.g. Be confident at juggling 2 balls and be able to juggle 3 balls for three cycles
- 6 Weeks into the Challenge e.g. Be able to juggle three balls for 10 cycles and start to practice with other objects.

Why do we do the things we do? What is it that drives our behaviours?





On your sheet try to write down all the reasons you should do this challenge. You can add pictures or symbols once you have written them all in.



Which of these examples are intrinsic and which are extrinsic?

Target Setting
Think carefully about your skill/ challenge and set goals for the following stages.
Choosing My Challenge –
Planning My Challenge –

to work with me. Th

Take this sheet home and use it to explain this project to your parents/ Guardian.

I am going to practice (When, how often ar

It is important you keep it safe and keep referring to it throughout the summer.

Bring it back in September along with the documentation of your learning.

Most of all, enjoy learning something new and get your family involved.

Your Name	Form Tutor
My Summer Challenge	Target Setting
My summer challenge is going to be:	Think carefully about your skill/ challenge and set goals for the following stages.
My overall goal for this challenge is:	Choosing My Challenge –
	Planning My Challenge –
I am going to ask to work with me. They could help me by	1 Week into my challenge –
	3 Weeks into the Challenge –
I am going to practiced my challenge skill (When, how often and for how long)	6 Weeks into the Challenge



Autumn Term 18-19

SESSION A1.1

Dare to be Challenged
Practice Project

100 min session on first day
Led by tutors

You Will Need:

- **PowerPoint** Use the **Notes section** on each page to deliver these lessons.
- Student planners
- Student option booklet
- Student work booklets
 x2
- Student folders

Welcome to Sydenham Schools Dare to be Challenged Project



Key Aims of the Practice Project





Risk-Taking

Values, Attitudes and Attributes Your Learning behaviours <u>Values = The moral principles and beliefs or accepted standards of a person or social group.</u>

<u>Attitudes = </u>The way that you think and feel about something, especially when this shows in the way you behave.

<u>Attribute = Is a quality or feature that someone or something has.</u>





Realising









Analysing

Advanced Cognitive
Performance
Characteristics (ACPs)
Ways of thinking that
will help you to learn
more effectively

<u>Advanced</u> = An advanced student has already learned the basic facts of a subject and is doing more difficult work.

<u>Cognitive</u> = The mental process involved in knowing, learning, and understanding things.

<u>Performance = How successful or how well someone does</u> something.

<u>Characteristics</u> = Are the qualities or features of a person that belong to them and make them recognizable.

Key Date

Please put this date in your planner:

Year 7 Learning Journey Eve = Thurs 27th September

What is my motivation for doing well in this project? Internal Motivation

- ✓ Your main motivation should be that you love to learn and find out new things and get better through practice.
- ✓ Remember you can do it if you keep trying, you just cant do it YET!









Go for gold! Dare to be challenged reward system.



What will our portfolios look like?

 What sort of standard do you think we are aiming for?

- Gold
- Silver
- Bronze







Open your planners to the tracking pages at the back.

Using your planner to track your progress

Dare to be Challenged Weekly Log				
Chosen Activity Specific Target to Specific Target to Specific Target to	be achieved by Decbe achieved by Aprilbe achieved by July	. Session Day	TimeLocation	
Date of Session Week beginning (Mon)	Focus of Session	Feedback Given	Actions to be taken this week.	Skill Teachers Signature
03/09/18				
10/09/18				
17/09/18				
24/09/18				
01/10/18				
08/10/18				
15/10/18				
Form Tutors Signature				

Dare to be Challenged Weekly Log				
Date of Session Week beginning (Mon)	Focus of Session	Feedback Given	Actions to be taken this week.	Skill Teachers Signature
01/07/19				
08/07/19				
15/07/19				
22/07/19				
29/07/19				
Skill Teacher review of attendance, progress and learning attitudes across the year:				

Skill Teacher review of attendance, progress and learning attitudes across the year:				
	•	•	•	

Hand Out preference books

Monday 3.30 – 4.30 20 Places	Netball	All abilities – No equipment needed
	In these sessions you will learn how to play netball through both drill and match situations. You will have the opportunity to try out for the netball team and play against other schools. This session is open to all abilities for those who have played a lot or always wanted to try.	
Monday 3.30 – 4.30 10 Places	Gymnastics / Trampoline	All abilities – No equipment needed.
	In these sessions you will learn about the different elements of gymnastics and trampolining. You will learn specific techniques using a range of equipment and get coaching on how to improve. This session is open to all abilities for those who can do full tumbles or those who have always wanted to try.	
Monday 3.30 – 4.30 10 Places		Need to have own instrument and experience.
	Come and join the Sydenham Orchestra, this is the opportunity to join our orchestra and be involved in	

regular concerts. You will need to have your own

you are interested you must speak to the music department in the first week before putting it as an

option so you know if you are ready.

instrument and also be able to play to at least grade one or have eighteen months experience. If this is something

Monday 3.30 – 4.30 20 Places
20 Places
Monday 3.30 – 4.30 10 Places
code

Commercial Dance

All abilities - No equipment needed.

In these sessions you will learn about the different aspects of commercial dance. You will learn the movements and choreography from the latest music and movement trends and get coaching on how to improve. This session is open to all abilities.



Code Club All abilities - No equipment needed.

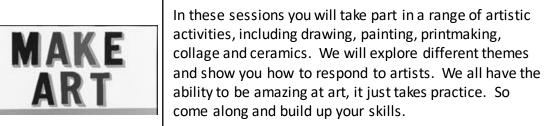
In these sessions you can develop your skills by taking part in a variety of projects. You can use programs such as Scratch, make robots using Lego Mindstorms and write code in HTML, Javascript and Python. Club members have made games, animations, and websites. The projects introduce coding concepts to allow you to build your knowledge gradually. So come along and get creative. Are you going to invent the next Facebook or become a games designer?

Tuesday 3.30 – 4.30 20 Places	Drama Club	All abilities – No equipment needed.	Tuesday 3.30 – 4.30 15 Places	Tag Rugby	All abilities – No equipment needed
ROYAL 25 COURT :	In these sessions you will tall that develop your acting and will look at a range of acting about different play writes a will help you develop confidence opportunity to audition for the sessions.	d stage direction skills. You styles and find out more nd genres. These sessions ence and you will get the	C	In these sessions you will learn how to play tag rugby through both drill and match situations. You will have the opportunity to try out for the team and play agair other schools. This session is open to all abilities for those who have played a lot or always wanted to try.	
Tuesday 3.30 – 4.30 10 Places	1 • •	leed to have own string nstrument and experience.	Tuesday 3.30 – 4.30 28 Places	Chess	All abilities – No equipment needed
	Come and join the Sydenham opportunity to join students be involved in regular conceryour own string instrument a least grade one or have 18 m	from other year groups and rts. You will need to have and also be able to play to at	27 1 1 1 2	In these sessions you will learn will learn tactical plays and how movements. You will get to conagainst others. This prestigious to develop a range of thinking s	v to predict player mpete and try your wits s game can really help you





Come and join the Sydenham swing band. Swing music, also known as swing jazz or simply swing, is a form of jazz music that developed in the early 1930s and became a distinctive style by 1935 in the United States. You will need to have your own instrument and also be able to play to at least grade one or have eighteen months experience. If this is something you are interested you must speak to the music department in the first week before putting it as an option so you know if you are ready.





Wednesday 3.30 - 4.30

Football

All abilities – No equipment needed.

In these sessions you will learn how to play football through both drill and match situations. You will have the opportunity to try out for the football team and play against other schools. This session is open to all abilities for those who have played a lot or always wanted to try. The sessions are run both inside and outside.

Wednesday 3.30 – 4.30
10 Places

Yoga

Paid Session - £3.00 per week – All abilities



Yoga is about creating balance in the body through developing both strength and flexibility. This is done through the performance of postures, each of which has specific physical benefits. Each session is run by a professional instructor who will help you build your knowledge of how to get into postures safely and effectively. Yoga is also really good for developing mindfulness. This session is open to all but you must be able to fund it across the year.

Wednesday 3.30 – 4.30 15 Places

Gardening / Eco Society

All abilities – No equipment needed.



In these sessions you will take part in projects that will help you develop your knowledge of the world around you. You will learn how to grow plants and vegetables and look at ideas around sustainability. You will find out more about local wildlife and how to protect their vital habitats. All are welcome so come along and help do your bit for the environment.

Thursday 3.30 – 4.30 10 Places	Journalism Club	All abilities – No equipment needed.	
NEWS SCHOOL REPORT	Learn about how to research and develop a news story, from first investigations, to fact checking, interviews and headlines. You will be supported to develop your own news articles and will look at how the professionals within the industry do the same. You will have the opportunity to learn about photojournalism so that you can capture amazing images that make your public want to know more. All are welcome.		
Thursday 3.30 – 4.30 20 Places	Spanglovision	All abilities – No equipment needed.	
LEARN SPANISH	Spanglovision is a language learning project involving song, memory, pronunciation skills and a positive spirit of team-building and competition. Students learn Spanish songs and become part of a choir that break down the meaning of the lyrics and use this to build Spanish vocab and knowledge. A fantastic accompaniment to any students starting Spanish for the first time or for those who are more experienced.		
Thursday 3.30 – 4.30 10 Places	Badminton	All abilities – No equipment needed.	
	In these sessions you will learn through both drill and match si the opportunity to try out for the play against other schools. This abilities for those who have play wanted to try.	tuations. You will have ne badminton team and s session is open to all	

Thursday 3.30 – 4.30 10 Places	Brass Group	Need to have own instrument and experience.		
	Come and join the Sydenham Brass Group, this is the opportunity to come and play with other year groups and be involved in regular concerts. You will need to have your own instrument and also be able to play to at least grade one or have eighteen months experience. If this is something you are interested you must speak to the music department in the first week before putting it as an option so you know if you are ready.			
Thursday 3.30 – 4.30 10 Places	Guitar Ensemble Need to have own instrument and experience.			
	Come and join the Sydenham Guitar Ensemble, this is the opportunity to join our Guitar Ensemble and be involved in regular concerts. You will need to have your own instrument and also be able to play to at least grade one or have 18 months experience. If this is something you are interested you must speak to the music department in the first week before putting it as an option so you know if you are ready.			
Thursday 3.30 – 4.30 7 Places	Self Defence	Paid - £3.00 per week All abilities		
	Self defence lessons dedicate a large amount of time to making students aware of their surroundings. This means noticing people or situations that might represent a threat and then moving away from the potential threat to a safer place. Students will also learn how to deal with an attacker through simple techniques such as shouting at an attacker to physical techniques to help you end any attack as soon as possible.			



Language through Stories All abilities – No equipment needed

Explore the world through stories and illustrations, learn languages and find out about the parts of the world where these languages are spoken. Explore the cuisine, cultures and histories and work with others to do so. Find out more about the fantastic world we live in. Open to all abilities and backgrounds. Develop your own foreign language stories in response.

Friday 3.30 – 4.30 5 Places

Friday 3.30 - 4.30

Fencing

Paid - £5.00 per week All abilities



The sport of fencing incorporates agility, strength, coordination, balance, and timing. In fencing, physical ability is just as important as having a strong mental edge. You will work with a professional coach to learn this art form. This session is open to all abilities but you must be able to fund this across the year.

Friday 3.30 – 4.30 8 Places

Tennis

Own racquet preferable



In these sessions you will learn how to play tennis through both drill and match situations. You will have the opportunity to play tournaments and work with a professional coach. This session is open to all abilities for those who have played or lot or always wanted to try.

Dare To Be Challenged – Activity Preference form

Daughters Name	•
Form Group	

- I would like to do the following Enrichment Activity at Sydenham School on a weekly basis. I understand there are others that I can do along side this, but this should be my main priority for the year as it will run alongside the learning I do in tutor time.
- I understand that if this is a paid session my family will need to be able to fund this for the whole year.
- If opting for a music session I have an instrument and the experience and have spoken to a member of the music department to check I am ready.
- I understand that I might not get my first choice and I am willing to do any of the five activities listed below.

C:	Student
SIGNAN	STUDENT
JIETICU	

Order of preference	Please write in the name of the activity
1 st Choice	
2 nd Choice	
3 rd Choice	
4 th Choice	
5 th Choice	

What do you need to do now?

- ✓ Read this booklet carefully and discuss all the options together as a family.
- ✓ Fill in the form at the back of the booklet making sure you write your name and form clearly.
- ✓ Return the form to your form tutor by Monday 10th September at the latest.

WRITE THIS IN YOUR DIARY NOW

✓ Please be aware that handing your form in late may make it harder to get your first or second choice preference.

Preference booklets to go in bags and brought back by Monday at the latest.

Hand out Folders, and both portfolio booklets.

Dare to be Challenged? Practice Portfolio



On the top right of your folder write:
Your Name...
Tutors Name...
Form Group ...
Challenge Skill...

Also put your name on your two booklets.

Insert Image

My Summer Challenge

My summer challenge was:

My overall goal for this challenge was:

I worked together with to complete my challenge. They helped by

I practiced my challenge skill (When, how often, where?)



This summer I learnt how to swim backstroke. I have been able to swim since I was four but have never learnt backstroke. I decided now was the time.

My Summer Challenge

My summer challenge was to be able to swim one length of backstroke without stopping and improve my technique gradually. I had to improve my confidence and trust in order to do this.

My overall goal for this challenge was to be a much more confident swimmer and I think that I achieved that.

I worked together with my dad and my older brother to complete my challenge. They helped by showing me the correct technique. Supporting me to stay in a straight line and know when I was approaching the wall and encouraged me to keep trying.

I practiced my challenge skill and actually managed to swim three lengths as well as swimming in the sea, which was harder as there were waves.

Homework for next Dare session



Complete your presentation of your summer project – This should be your best work. Where possible do this using a computer and print it out.

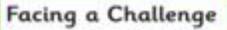
SESSION A1.2

Dare to be Challenged Led by tutors.

You Will Need:

Plain paper

Note to Tutors - While students work on their projects please make a note of those who completed homework, and put in demerits for non completion.



You may feel anxious, nervous, scared, excited or comfortable.

The Learning Pit

Deep Learning

You may learn a sense of collaboration and concentration.

Successful Learning

You should feel achievement and pride.

Having a Go

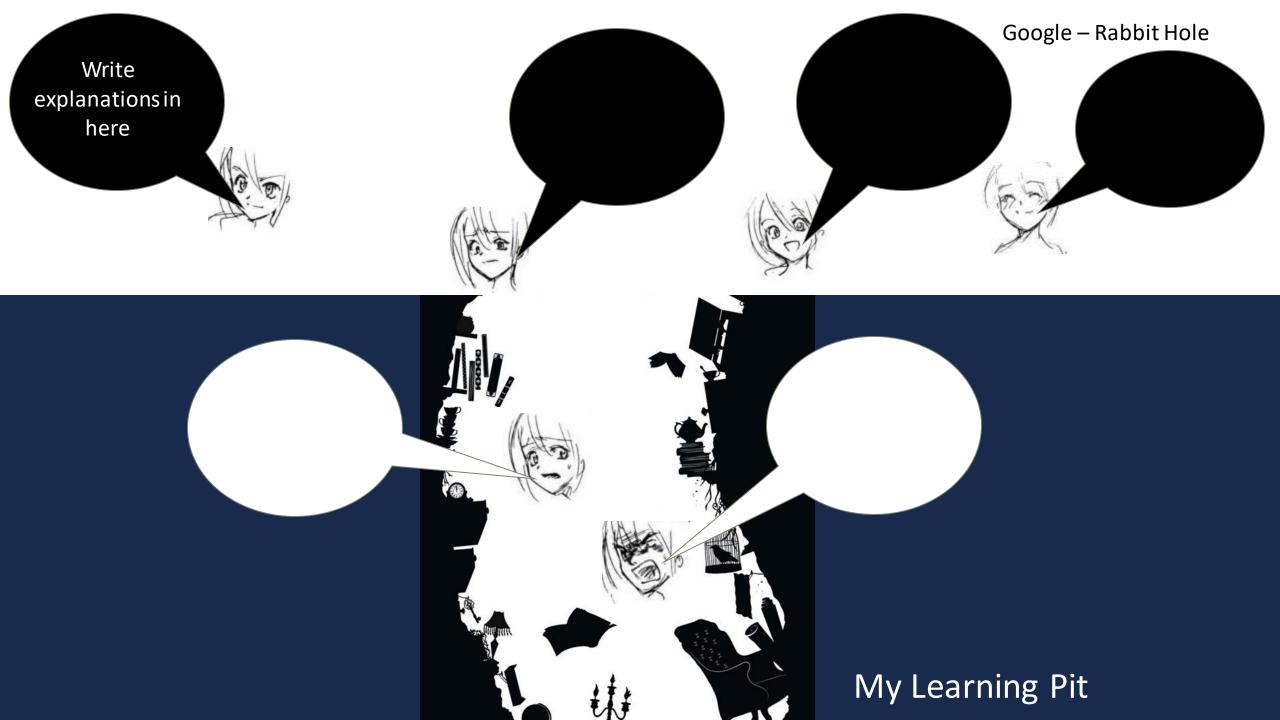
You may feel interested, hooked and use prior knowledge.

Problem Solving

You may feel anger, distraction, frustration, challenge, confusion or uncomfortable.



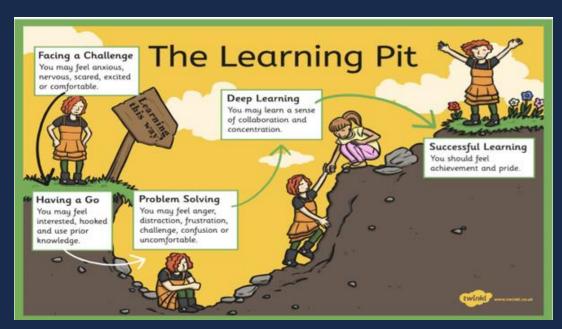








Homework for next Dare session





This homework is due, next challenge tutor time. It can be hand drawn or digital and printed out. Make it really good as it will be a key part of your portfolio. —Avoid felt tip pens.

SESSION A1.3

Dare to be Challenged Led by tutors.

Your Enrichment Activity



Open your planners to the tracking pages at the back.

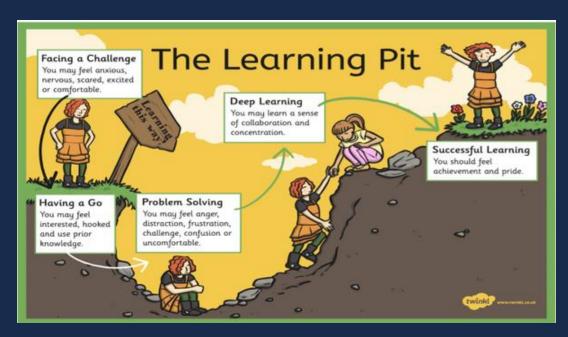
Using your planner to track your progress

Dare to be Challenged Weekly Log						
Chosen Activity Specific Target to Specific Target to Specific Target to	Chosen Activity					
Date of Session Week beginning (Mon)	Focus of Session	Feedback Given	Actions to be taken this week.	Skill Teachers Signature		
03/09/18						
10/09/18						
17/09/18						
24/09/18						
01/10/18						
08/10/18						
15/10/18						
Form Tutors Signa	Form Tutors Signature					

Dare to be Challenged Weekly Log						
Date of Session Week beginning (Mon)	Focus of Session	Feedback Given	Actions to be taken this week.	Skill Teachers Signature		
01/07/19						
08/07/19						
15/07/19						
22/07/19						
29/07/19						
Skill Teacher review of attendance, progress and learning attitudes across the year:						

Skill Teacher review of attendance, progress and learning attitudes across the year:					
	•	•	•		

What have you created?





Today you are going to present your pit diagram that link to your summer project.

SESSION A1.4

Dare to be Challenged Led by tutors

You Will Need:

- PowerPoint WITH FILM OPEN ready
- Articles for homework

https://www.mindsetworks.com/websit emedia/youcangrowyourintelligence.pdf

Do It Now

Write down the question number and your score.

E.G.

Be truthful and think carefully about your answers.

MINDSET QUIZ

- 1. Circle the number for each question which best describes you
- 2. Total and record your score when you have completed each of the 10 questions

		Strongly Agree	Agree	Disagree	Strongly Disagree
1.	Your intelligence is something very basic about you that you can't change very much	0	1	2	3
2.	No matter how much intelligence you have, you can always change it quite a bit	3	2	1	0
3.	Only a few people will be truly good at sports, you have to be born with the ability	0	1	2	3
4.	The harder you work at something, the better you will be	3	2	1	0
5.	I often get angry when I get feedback about my performance	0	1	2	3
6.	I appreciate when people, parents, coaches or teachers give me feedback about my performance	3	2	1	0
7.	Truly smart people do not need to try hard	0	1	2	3
8.	You can always change how intelligent you are	3	2	1	0
9.	You are a certain kind of person and there is not much that can be done to really change that	0	1	2	3
10	An important reason why I do my school work is that I enjoy learning new things	3	2	1	0

SCORE CHART

22-30 = Strong Growth Mindset

17-21 = Growth with some Fixed ideas

11-16 = Fixed with some growth ideas

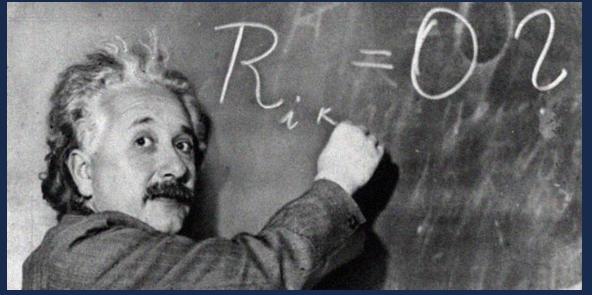
0-10 = Strong fixed mindset

MY SCORE:

MY MINDSET:

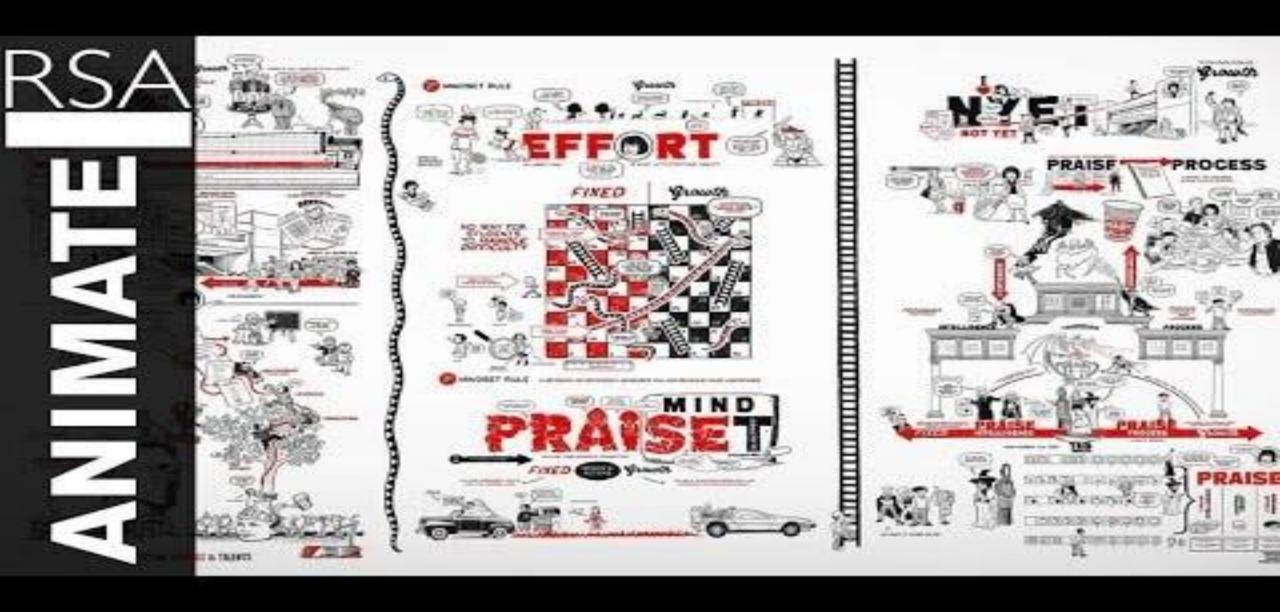
Research Tells us......





I have no special talents. I am only passionately curious.

Albert Einstein



Do It Now

Has your score changed?

MINDSET QUIZ

- 1. Circle the number for each question which best describes you
- 2. Total and record your score when you have completed each of the 10 questions

	Strongly Agree	Agree	Disagree	Strongly Disagree
Your intelligence is something very basic about you that you can't change very much	0	1	2	3
No matter how much intelligence you have, you can always change it quite a bit	3	2	1	0
Only a few people will be truly good at sports, you have to be born with the ability	0	1	2	3
The harder you work at something, the better you will be	3	2	1	0
I often get angry when I get feedback about my performance	0	1	2	3
I appreciate when people, parents, coaches or teachers give me feedback about my performance	3	2	1	0
Truly smart people do not need to try hard	0	1	2	3
You can always change how intelligent you are	3	2	1	0
You are a certain kind of person and there is not much that can be done to really change that	0	1	2	3
An important reason why I do my school work is that I enjoy learning new things	3	2	1	0
	you can't change very much No matter how much intelligence you have, you can always change it quite a bit Only a few people will be truly good at sports, you have to be born with the ability The harder you work at something, the better you will be I often get angry when I get feedback about my performance I appreciate when people, parents, coaches or teachers give me feedback about my performance Truly smart people do not need to try hard You can always change how intelligent you are You are a certain kind of person and there is not much that can be done to really change that An important reason why I do my school work is that I	Your intelligence is something very basic about you that you can't change very much No matter how much intelligence you have, you can always change it quite a bit Only a few people will be truly good at sports, you have to be born with the ability The harder you work at something, the better you will be I often get angry when I get feedback about my performance I appreciate when people, parents, coaches or teachers give me feedback about my performance Truly smart people do not need to try hard You can always change how intelligent you are You are a certain kind of person and there is not much that can be done to really change that An important reason why I do my school work is that I	Your intelligence is something very basic about you that you can't change very much No matter how much intelligence you have, you can always change it quite a bit Only a few people will be truly good at sports, you have to be born with the ability The harder you work at something, the better you will be I often get angry when I get feedback about my performance I appreciate when people, parents, coaches or teachers give me feedback about my performance Truly smart people do not need to try hard You can always change how intelligent you are You are a certain kind of person and there is not much that can be done to really change that An important reason why I do my school work is that I A important reason why I do my school work is that I	Your intelligence is something very basic about you that you can't change very much No matter how much intelligence you have, you can always change it quite a bit Only a few people will be truly good at sports, you have to be born with the ability The harder you work at something, the better you will be I often get angry when I get feedback about my performance I appreciate when people, parents, coaches or teachers give me feedback about my performance Truly smart people do not need to try hard You can always change how intelligent you are An important reason why I do my school work is that I An important reason why I do my school work is that I A important reason why I do my school work is that I

SCORE CHART

22-30 = Strong Growth Mindset <

17-21 = Growth with some Fixed ideas

11-16 = Fixed with some growth ideas

0-10 = Strong fixed mindset

MY SCORE:

MY MINDSET:

This is where you need to be!

It is one thing however saying it on a quiz and another thing truly believing it when things get tough.

Homework

Read this article out loud with a parent or Guardian, it is ok for them to read it or you. Get them to write a comment at the bottom of the article saying what they thought about it.

You Can Grow Your Intelligence

New Research Shows the Brain Can Be Developed Like a Muscle

Many people think of the brain as a mystery. They don't know much about intelligence and how it works. When they do think about what intelligence is, many people believe that a person is born either smart, average, or dumb—and stays that way for life.

But new research shows that the brain is more like a muscle—it changes and gets stronger when you use it. And scientists have been able to show just how the brain grows and gets stronger when you learn.

Everyone knows that when you lift weights, your muscles get bigger and you get stronger. A person who can't lift 20 pounds when they start exercising can get strong enough to lift 100 pounds after working out for a long time. That's because the muscles become larger and stronger with exercise. And when you stop exercising, the muscles shrink and you get weaker. That's why people say "Use it or lose it!"



But most people don't know that when they practice and learn new things, parts of their brain change and get larger a lot like muscles do when they exercise.



A section of the cerebral cortex

Inside the cortex of the brain are billions of tiny nerve cells, called neurons. The nerve cells have branches connecting them to other cells in a complicated network. Communication between these brain cells is what allows us to think and solve problems.



Axon

on Dendrite

A typical nerve cell

When you learn new things, these tiny connections in the brain actually multiply and get stronger. The more that you challenge your mind to learn, the more your brain cells grow. Then, things that you once found very hard or even impossible to do—like speaking a foreign language or doing algebra—seem to become easy. The result is a stronger, smarter brain.

How Do We Know the Brain Can Grow Stronger?

Scientists started thinking that the human brain could develop and change when they studied animals' brains. They found out that animals who lived in a challenging environment, with other animals and toys to play with, were different from animals who lived alone in bare cages.

While the animals who lived alone just ate and slept all the time, the ones who lived with different toys and other animals were always active. They spent a lot of time figuring out how to use the toys and how to get along with the other animals.

Effect of an Enriched Environment



Nerves in brain of animal living in bare cage



Brain of anima living with other animals and toys

These animals had more connections between the nerve cells in their brains. The connections were bigger and stronger, too. In fact, their whole brains were about 10% heavier than the brains of the animals who lived alone without toys.

The animals who were exercising their brains by playing with toys and each other were also "smarter"—they were better at solving problems and learning new things.

Even old animals got smarter and developed more connections in their brains when they got the chance to play with new toys and other animals. When scientists put very old animals in the cage with younger animals and new toys to explore, their brains also grew by about 10%!

Children's Brain Growth

Another thing that got scientists thinking about the brain growing and changing was babies. Everyone knows that babies are born without being able to talk or understand language. But somehow, almost all babies learn to speak their parents' language in the first few years of life. How do they do this?

The Key to Growing the Brain: Practice!

From the first day they are born, babies are hearing people around them talk—all day, every day, to the baby and to each other. They have to try to make sense of these strange sounds and figure out what they mean. In a way, babies are exercising their brains by listening hard.

Later, when they need to tell their parents what they want, they start practicing talking themselves. At first, they just make goo-goo sounds. Then, words start coming. And by the time they are three years old, most can say whole sentences almost perfectly.

Once children learn a language, they don't forget it. The child's brain has changed—it has actually gotten smarter.

This can happen because learning causes permanent changes in the brain. The babies' brain cells get larger and grow new connections between them. These new, stronger connections make the child's brain stronger and smarter, just like a weightlifter's big muscles make them strong.

Growth of neuron connections in a child from birth to 6 years old





At hirth

At age 6

The Real Truth About "Smart" and "Dumb"

No one thinks babies are stupid because they can't talk. They just haven't learned how to yet. But some people will call a person dumb if they can't solve math problems, or spell a word right, or read fast—even though all these things are learned with practice.

At first, no one can read or solve equations. But with practice, they can learn to do it. And the more a person learns, the easier it gets to learn new things—because their brain "muscles" have gotten stronger!

The students everyone thinks as the "smartest" may not have been born any different from anyone else. But before they started school, they may have started to practice reading. They had already started to build up their "reading muscles." Then, in the classroom, everyone said, "That's the smartest student in the class."

They don't realize that any of the other students could learn to do as well if they exercised and practiced reading as much. Remember, all of those other students learned to speak at least one whole language already—something that grownups find very hard to do. They just need to build up their "reading muscles" too.

What Can You Do to Get Smarter?

Just like a weightlifter or a basketbal player, to be a brain athlete, you have to exercise and practice. By practicing, you make your brain stronger. You also learn skills that let you use your brain a smarter way—just like a basketball playe learns new moves.

But many people miss out on the chance to grow a stronger brain because they thinl they can't do it, or that it's too hard. I does take work, just like becoming stronge physically or becoming a better ball playe does. Sometimes it even hurts! But when you feel yourself get better and stronger, all the work is worth it!

Has it helped you to change the way you think about your potential?						

Student Comments - What do you think about this article?

Parent Comments - What do you think about this article? Has it helped you to change the way you think about your daughters learning								ning?

You Can Grow Your Intelligence

New Research Shows the Brain Can Be Developed Like a Muscle

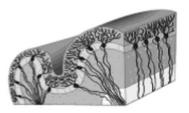
Many people think of the brain as a mystery. They don't know much about intelligence and how it works. When they do think about what intelligence is, many people believe that a person is born either smart, average, or dumb—and stays that way for life.

But new research shows that the brain is more like a muscle—it changes and gets stronger when you use it. And scientists have been able to show just how the brain grows and gets stronger when you learn.

Everyone knows that when you lift weights, your muscles get bigger and you get stronger. A person who can't lift 20 pounds when they start exercising can get strong enough to lift 100 pounds after working out for a long time. That's because the muscles become larger and stronger with exercise. And when you stop exercising, the muscles shrink and you get weaker. That's why people say "Use it or lose it!"



But most people don't know that when they practice and learn new things, parts of their brain change and get larger a lot like muscles do when they exercise.



A section of the cerebral cortex

Inside the cortex of the brain are billions of tiny nerve cells, called neurons. The nerve cells have branches connecting them to other cells in a complicated network. Communication between these brain cells is what allows us to think and solve problems.



Axon Dendrites

A typical nerve cell

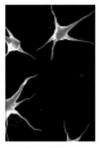
When you learn new things, these tiny connections in the brain actually multiply and get stronger. The more that you challenge your mind to learn, the more your brain cells grow. Then, things that you once found very hard or even impossible to do—like speaking a foreign language or doing algebra—seem to become easy. The result is a stronger, smarter brain.

How Do We Know the Brain Can Grow Stronger?

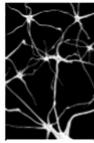
Scientists started thinking that the human brain could develop and change when they studied animals' brains. They found out that animals who lived in a challenging environment, with other animals and toys to play with, were different from animals who lived alone in bare cages.

While the animals who lived alone just ate and slept all the time, the ones who lived with different toys and other animals were always active. They spent a lot of time figuring out how to use the toys and how to get along with the other animals.

Effect of an Enriched Environment



Nerves in brain of animal living in bare cage



Brain of animal living with other animals and toys

These animals had more connections between the nerve cells in their brains. The connections were bigger and stronger, too. In fact, their whole brains were about 10% heavier than the brains of the animals who lived alone without toys.

The animals who were exercising their brains by playing with toys and each other were also "smarter"—they were better at solving problems and learning new things.

Even old animals got smarter and developed more connections in their brains when they got the chance to play with new toys and other animals. When scientists put very old animals in the cage with younger animals and new toys to explore, their brains also grew by about 10%!

Children's Brain Growth

Another thing that got scientists thinking about the brain growing and changing was babies. Everyone knows that babies are born without being able to talk or understand language. But somehow, almost all babies learn to speak their parents' language in the first few years of life. How do they do this?

The Key to Growing the Brain: Practice!

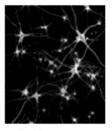
From the first day they are born, babies are hearing people around them talk—all day, every day, to the baby and to each other. They have to try to make sense of these strange sounds and figure out what they mean. In a way, babies are exercising their brains by listening hard.

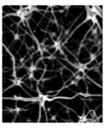
Later, when they need to tell their parents what they want, they start practicing talking themselves. At first, they just make goo-goo sounds. Then, words start coming. And by the time they are three years old, most can say whole sentences almost perfectly.

Once children learn a language, they don't forget it. The child's brain has changed—it has actually gotten smarter.

This can happen because learning causes permanent changes in the brain. The babies' brain cells get larger and grow new connections between them. These new, stronger connections make the child's brain stronger and smarter, just like a weightlifter's big muscles make them strong.

Growth of neuron connections in a child from birth to 6 years old





At birth

At age 6

The Real Truth About "Smart" and "Dumb"

No one thinks babies are stupid because they can't talk. They just haven't learned how to yet. But some people will call a person dumb if they can't solve math problems, or spell a word right, or read fast—even though all these things are learned with practice.

At first, no one can read or solve equations. But with practice, they can learn to do it. And the more a person learns, the easier it gets to learn new things—because their brain "muscles" have gotten stronger!

The students everyone thinks as the "smartest" may not have been born any different from anyone else. But before they started school, they may have started to practice reading. They had already started to build up their "reading muscles." Then, in the classroom, everyone said, "That's the smartest student in the class."

They don't realize that any of the other students could learn to do as well if they exercised and practiced reading as much. Remember, all of those other students learned to speak at least one whole language already—something that grownups find very hard to do. They just need to build up their "reading muscles" too.

What Can You Do to Get Smarter?

Just like a weightlifter or a basketbal player, to be a brain athlete, you have to exercise and practice. By practicing, you make your brain stronger. You also learn skills that let you use your brain a smarter way—just like a basketball playe learns new moves.

But many people miss out on the chance to grow a stronger brain because they thinl they can't do it, or that it's too hard. I does take work, just like becoming stronge physically or becoming a better ball playe does. Sometimes it even hurts! But when you feel yourself get better and stronger, all the work is worth

Parent Comments - What do you think about this article?	
Has it helped you to change the way you think about your daughters learn	ing
Has it helped you to change the way you think about your daughters learn	ing
Has it helped you to change the way you think about your daughters learn	ing
Has it helped you to change the way you think about your daughters learn	ing
Has it helped you to change the way you think about your daughters learn	ing

Student Comments - What do you think about this article?

SESSION A1.5

Dare to be Challenged Led by tutors



True or False? Intelligence and talent are fixed. If you are not born with the ability you will not be able to excel in it.



False – Scientific studies have shown that you can become clever at something through practice and that there are no limits to this, other than attitude to learning.



What is a growth mindset?



The belief that your intelligence, personality and characteristics can be developed.



What is a fixed mindset?



The belief that intelligence, personality and character are set and can not be improved.

Fixed Mindsets – My Worries	Growth Mindsets – My Solutions
I can not do it.	I can not do it YET. If I practice and not give up I will be able to do it eventually. If I could already do it I would not be learning anything.
I will avoid doing this as I do not know where to start	I will begin with what I know. What do I know that could help get me started. Putting it off makes the problem worse and gives me less time to get better.
This is too hard.	It will be hard to start with, but the more I practice the easier it will get.
It will just be wrong.	I can learn from my mistakes, Feedback and practice will help me become even more confident.
This will take too long and there is so much to do.	I will start immediately because I need all the time I have.
No one is helping me.	I will learn more if I can work it out by myself. What information do I have that can help me?

I can practice to become better.

Others are better than me.

We all have different skills to share. If I do not try they will always be better.

Learning Stage	А	nalysing my learning Mindsets	Growth Fixed Personal Targets				
Initial Desire	I don't want to do it as my friend isn't doing it?			/	I might meet new people and it will help build my confidence.		
Evaluating the situation	I know this is something I need to do and I feel a bit nervous about it, but I know after a couple of weeks that will go.		/		To continue to find the positives in situations and be optimistic about the benefits.		
Dealing with							
setbacks		We are going to gradually fill in this chart as we approach our new					
		enrichment skill. You should have already started or are about to					
Attitude to		start your new enrichment club. Fill in at least the first two boxes					
Challenge		of this chart. Be really honest about how you feel about starting this new club.					
Attitude to							
Effort							
		If you are showing a fixed mindset think about how you can make					
Attitude to		these feelings much more positive. You may already have a					
Criticism		growth mindset towards this and be looking forwards					
Success of		challenge. If this is the case think about how you can maintain					
others	this.						
		LII	IIS.	ı			
Predicted result							

SESSION A1.6

Dare to be Challenged Led by tutors

Goal Setting

Task 1 – Decide on a goal that you are going to achieve by the end of the year.

E.G – To be able to draw a realistic portrait from life.

Term Start date length	Skill area to focus on.	How to practice	Role of Parent/ guardian	Goal/ Target
Autumn 2			Parents/ Guardians to all attend Night s chool	
Christmas Holidays 2 Weeks				
Spring 1				
Spring 2				
Easter Holidays 2 weeks				
Summer 1				
Summer 2			Yr 7 Awards ceremony	Write you end goal in here.

Do It Now

Now break this smaller skill down into 4 smaller targets that gradually build to this final 5th target.

E.G

Target 1 - Learn, remember and be able to retrieve how to measure out the proportions of the face from the front.

Term Start date length	Skill area to focus on.	How to practice	Role of Parent/ guardian	Goal/ Target
Autumn 2	Proportion	Attend lessons each week. Get a book to help me with facial proportion. Practice drawing out faces in the correct proportion from memory.	Parents/ Guardians to all attend Night s chool. To give me feedback on my dra wings	Learn, remember and be able to retrieve how to measure out the proportions of the face from the front.
Christmas Holidays 2 Weeks				
Spring 1				
Spring 2				
Easter Holidays 2 weeks				
Summer 1				
Summer 2			Yr 7 – Awards Celebration	Write you end goal in here.

Homework

Ask a member of your family to help you break down your end goal into smaller achievable goals. Finish filling in the chart.

Discuss your goals with your enrichment club leader. Check they are appropriate.

HALF TERM HOLIDAY

SESSION A2.1

Dare to be Challenged Led by tutors



How can learning about memory help us to develop skills and knowledge?



Working Memory

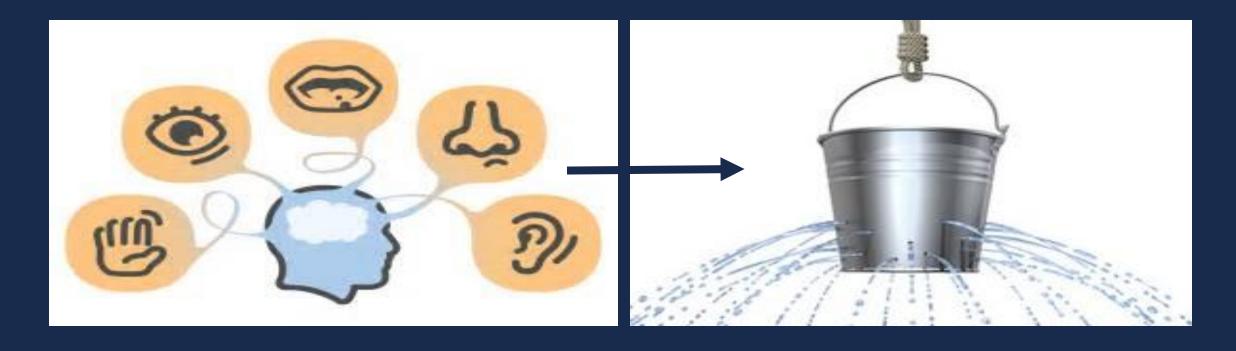
Long Term Memory

Working Memory



Listen carefully and try to remember the following 4 facts

Working Memory

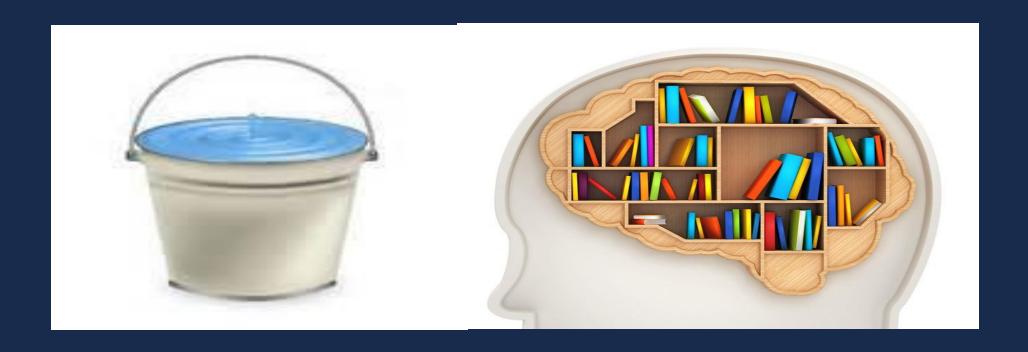


Write down what you can remember about the working memory. – 2 min

Did you remember?

- 1. Working memory can generally hold between five and nine items (or chunks) of information at any one time.
- 2. Information comes into the working from the world around through your senses.
- 3. It processes the information and uses it to perform tasks.
- 4. The working memory can only hold onto information for a short period of time, after that it either forgets it or transfers it to the long term memory.

Try to remember these 3 facts



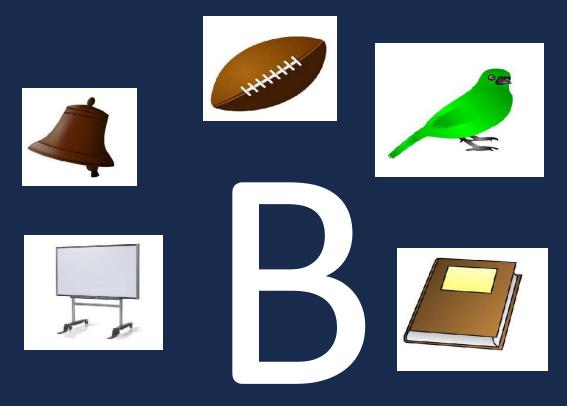
Write down what you can remember about the long term memory. – 2 min



Did you remember?

- Your long term memory is where information can be stored for long periods of time.
- One of the issues can be retrieving information from the long term memory.
- We can improve this by chunking information together. These chunks are called Schemas





In order to do this task you had to use your long term and working memory.

How did your long term memory help you?

How did you working memory help you?







What problems can we face with memory?



Working Memory

Long Term Memory

SESSION A2.2

Dare to be Challenged Led by tutors



What is the working memory? (sometimes called short term Memory)



The part of the memory used when processing information or working something out.



How much information can the working memory hold at a time?

5 – 9 Chunks of information.



What is the long term memory?





Your long term memory is where information can be stored for long periods of time.



What happens to the working memory when people are starting to learn?



It becomes overloaded.



How can you improve the ability of your working / short term memory?



By practicing things again and again so that they are stored in the long term memory.



What is the main problem with the long term memory?



Retrieving information when you need it.



How can you help your long term memory?



Retrieval practice



What are the five steps of deliberate practice?





3. Regular Focused practice.

4. Get immediate expert feedback.

5. Store it in your long term memory.

5 points



SESSION A2.3

Dare to be Challenged Led by tutors

What is the difference between practice and deliberate practice?

•Is all practice of the same value?

 Write down and then share answers – Can you remember the example we used on the drop down days?

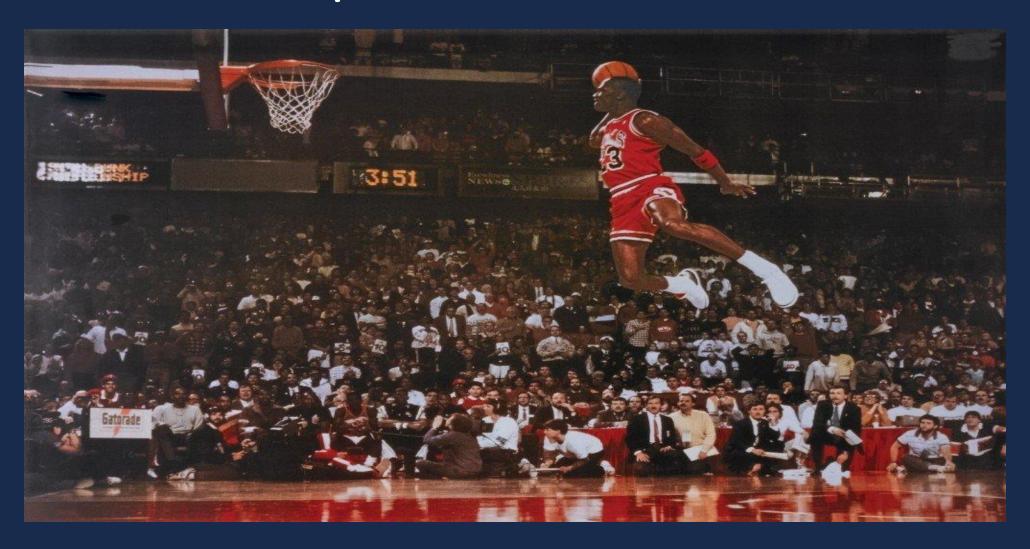




Player B

Player A

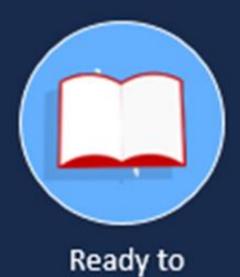
The 'deliberate practice mindset'



Principle of Deliberate Practice	Top tips		ell have on this	e you be so far?	een	Written Target review 1 – Why, next steps	Target review 2
Push beyond your comfort Zone	If it is too easy you need to add in more challenge, if it is too hard take a step back.	1	2	3	4		
Make specific goals	Use the practice schedule your teacher gave you. This breaks your skill into small manageable skills.						
Focus during practice.	You should really challenge yourself when you practice. Do it properly and focus just on your specific targets.	on more			very well		
Practice regularly, for good length of time	Make/ use your practice schedule and stick to it.	focus			doingve		
Get immediate expert feedback	Record and analyse your practice as you go. Get your parents/guardians to give you feedback based on your specific targets. Self evaluate your progress at the end of your practice.	I need to			I am de		
Form a model/ schema in your long term memory make it easy and automatic.	Use the tutor sessions to review your learning this will help it to stay in your long term memory. The more you practice the easier it will become.	U	-		•	practice timetable to help you osition and written target 1.	

SESSION A2.4

Dare to be Challenged Led by tutors



Learn

Ready to learn: What could this mean?

Ready to learn	Not Ready
 Self confidence Organised • 	 Lack of equipment, Unable to listen carefully to instructions • • •<!--</td-->



Ready to learn: What could this mean?

Write a list of the behaviours of a student who is both ready to learn and not ready.

Ready to learn	Not Ready
Intellectual confidence	 Afraid to have a go and make mistakes
Organised	 Unorganised – No homework, no equipment
 Able to work independently 	 Unable to work without support
Able to follow instructions	 Often gets instructions wrong
 Growth Mindset – I cant do it yet 	 Fixed mindset – I cant do it
 Fantastic Personal Presentation 	• Incorrect uniform
 Excellent attendance and punctuality 	 Often late or off school
 Able to listen and take turns in discussion 	 Not willing to listen to others
Able to maintain focus	 Unfocused, tired, disruptive
 Takes responsibility for own actions and 	 Is not able to see the consequences of their
considers the needs of others.	actions on others.
•Be healthy - Exercised and eaten to support	 Has not had correct diet for learning – No
learning – Balanced, regular diet	exercise, no breakfast, lots of sugar and junk food.

What do I need to do to improve my readiness to learn?



https://www.youtube.com/watch?v=ctNg0DgMa-o

Watch this film and think about the sentence What I am is

Write down 3 things that you are finding difficult in this project and three possible solutions for how you can help yourself feel more confident about these.



Example - I don't like talking at the front of the class as I think that people will be judging me.



Example solution - Don't worry we all feel a bit like that, just try to build up your confidence gradually by trying to say something out loud in front of the class every day.

What does ready to learn mean?





Having the correct learning behaviours to get the most out of your lessons and practise.



Name 5 learning behaviours that indicate you are 'ready to learn'.



- * Organised
- *Able to work independently
- * Able to follow instructions
- * Growth Mindset I can't do it yet
- * Fantastic Personal Presentation
- * Excellent attendance and punctuality
- * Able to listen and take turns in discussion
- * Able to maintain focus
- * Takes responsibility for own actions and considers the needs of others.
- * Be healthy

SESSION A2.5

Dare to be Challenged Led by tutors

Ready to learn

- Intellectual confidence
- Organised
- Able to work independently
- Able to follow instructions
- Growth Mindset I cant do it yet
- Fantastic Personal Presentation
- Excellent attendance and punctuality
- Able to listen and take turns in discussion
- Able to maintain focus
- Takes responsibility for own actions and considers the needs of others.
- •Be healthy Exercised and eaten to support learning Balanced, regular diet

Ready to learn – How I am going to win Gold on my practice project.

I am already great at:

• Being Organised – I have managed to make a practice timetable, buy ingredients, follow instructions and keep a diary of my project.

I need to work on:

• Intellectual confidence — I am still not sure I will be able to achieve the challenge. I need to practice more, get support From my family, my form time buddy and HPL ambassadors, my tutor and my skills teacher. They can give me tips on what to do next to improve.

Homework = Finish Poster

Digital or hand made.

Ready to learn

- Intellectual confidence
- Organised
- Able to work independently
- Able to follow instructions
- Growth Mindset I cant do it yet
- Fantastic Personal Presentation
- Excellent attendance and punctuality
- Able to listen and take turns in discussion
- Able to maintain focus
- Takes responsibility for own actions and considers the needs of others.
- •Be healthy Exercised and eaten to support learning Balanced, regular diet

Ready to learn

- Intellectual confidence
- Organised
- Able to work independently
- Able to follow instructions
- Growth Mindset I cant do it yet
- Fantastic Personal Presentation
- Excellent attendance and punctuality
- Able to listen and take turns in discussion
- Able to maintain focus
- Takes responsibility for own actions and considers the needs of others.
- •Be healthy Exercised and eaten to support learning Balanced, regular diet

Ready to learn

- Intellectual confidence
- Organised
- Able to work independently
- Able to follow instructions
- Growth Mindset I cant do it yet
- Fantastic Personal Presentation
- Excellent attendance and punctuality
- Able to listen and take turns in discussion
- Able to maintain focus
- Takes responsibility for own actions and considers the needs of others.
- •Be healthy Exercised and eaten to support learning Balanced, regular diet

Ready to learn

- Intellectual confidence
- Organised
- Able to work independently
- Able to follow instructions
- Growth Mindset I cant do it yet
- Fantastic Personal Presentation
- Excellent attendance and punctuality
- Able to listen and take turns in discussion
- Able to maintain focus
- Takes responsibility for own actions and considers the needs of others.
- •Be healthy Exercised and eaten to support learning Balanced, regular diet

Ready to learn

- Intellectual confidence
- Organised
- Able to work independently
- Able to follow instructions
- Growth Mindset I cant do it yet
- Fantastic Personal Presentation
- Excellent attendance and punctuality
- Able to listen and take turns in discussion
- Able to maintain focus
- Takes responsibility for own actions and considers the needs of others.
- •Be healthy Exercised and eaten to support learning Balanced, regular diet

Ready to learn

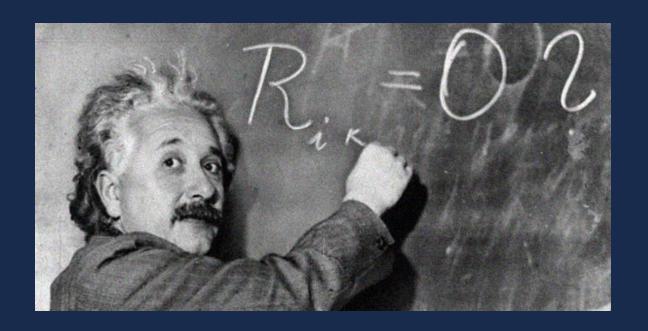
- Intellectual confidence
- Organised
- Able to work independently
- Able to follow instructions
- Growth Mindset I cant do it yet
- Fantastic Personal Presentation
- Excellent attendance and punctuality
- Able to listen and take turns in discussion
- Able to maintain focus
- Takes responsibility for own actions and considers the needs of others.
- •Be healthy Exercised and eaten to support learning Balanced, regular diet

SESSION A2.6

Dare to be Challenged Led by tutors

What are the key things we know about Growth Mindsets





Learning Stage		Growth	Fixed	Personal Targets				
Initial Desire	I don't war	nt to do it as my friend isn't doing it?		/	I might meet new people and it will help build my confidence.			
Evaluating the situation	I know this	/		To continue to find the positives in situations and be optimistic about the benefits.				
Dealing with setbacks	I was annoyed when I had to change a couple of my mid term goals.			/	To try and see advice as a really good thing and changes as a way to make something better			
Attitude to Challenge	I am trying really hard in all the enrichment sessions even when I cant do things the first time.		/		Keep being positive and practising regularly.			
Attitude to Effort	I am finding it difficult to keep practising at home as I am quite tired at the end of the day			/	Even if things are hard I should find a way to motivate myself to do it. It is short term pain long term gain.			
Attitude to		E.H	.,					
Criticism		I in the next 3 stages on your growth mindset chart, in relation						
Success of others		to your enrichment club						
Predicted result								



True or False? Intelligence and talent are fixed. If you are not born with the ability you will not be able to excel in it.



False – Scientific studies have shown that you can become clever at something through practice and that there are no limits to this, other than attitude to learning.



What is a growth mindset?



The belief that your intelligence, personality and characteristics can be developed.



What is a fixed mindset?



The belief that intelligence, personality and character are set and can not be improved.

CHRISTMAS HOLIDAY

SESSION S1.1

Dare to be Challenged Led by tutors









True or False? Intelligence and talent are fixed. If you are not born with the ability you will not be able to excel in it.



False – Scientific studies have shown that you can become clever at something through practice and that there are no limits to this, other than attitude to learning.



What is a growth mindset?



The belief that your intelligence, personality and characteristics can be developed.



What is a fixed mindset?



The belief that intelligence, personality and character are set and can not be improved.



What is the working memory? (sometimes called short term Memory)



The part of the memory used when processing information or working something out.



How much information can the working memory hold at a time?

5 – 9 Chunks of information.

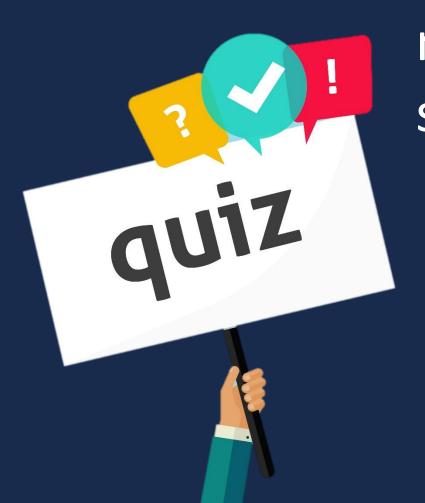


What is the long term memory?





Your long term memory is where information can be stored for long periods of time.



What happens to the working memory when people are starting to learn?



It becomes overloaded.



How can you improve the ability of your working / short term memory?



By practicing things again and again so that they are stored in the long term memory.



What is the main problem with the long term memory?



Retrieving information when you need it.



How can you help your long term memory?



Retrieval practice



What are the five steps of deliberate practice?





3. Regular Focused practice.

4. Get immediate expert feedback.

5. Store it in your long term memory.

5 points



What does ready to learn mean?





Having the correct learning behaviours to get the most out of your lessons and practise.



Name 5 learning behaviours that indicate you are 'ready to learn'.



- * Organised
- *Able to work independently
- * Able to follow instructions
- * Growth Mindset I can't do it yet
- * Fantastic Personal Presentation
- * Excellent attendance and punctuality
- * Able to listen and take turns in discussion
- * Able to maintain focus
- * Takes responsibility for own actions and considers the needs of others.
- * Be healthy

_		The section share your meaning cheep, per section of an action cheep can	_ poe
3	What is a fixed mindset?	The belief that intelligence, personality and character are set and can not be improved.	
4	What is the working memory?	The part of the memory used when processing information or working something out.	
5	How much information can the working memory hold at a time?	5 – 9 Chunks of information	
6	What is the long term memory?	Your long term memory is where information can be stored for long periods of time.	1 point
7	What happens to the working memory when people are starting to learn?	It becomes overloaded	1 point
8	How can you improve the ability of your working / short term memory?	By practicing things again and again so that they are stored in the long term memory.	1 point
9	What is the main problem with the long term memory?	Retrieving information when you need it.	1 point
10	How can you help your long term memory?	Retrieval practice	1 point
11	What are the five steps of deliberate practice?	 Push beyond your comfort Zone Make specific goals Regular Focused practice. Get immediate expert feedback. Store it in your long term memory. 	5 points
12	What does ready to learn mean?	Having the correct learning behaviours to get the most out of your lessons and practise.	1 point
13	Name 5 learning behaviours that indicate you are 'ready to learn'	* Organised *Able to work independently *Able to follow instructions * Growth Mindset – I can't do it yet * Fantastic Personal Presentation * Excellent attendance and punctuality * Able to listen and take turns in discussion * Able to maintain focus * Takes responsibility for own actions and considers the needs of others. * Be healthy	
14	What is resilience?	The ability to recover from or adjust easily to misfortune or change.	1 point
15	What is Perseverance?	The ability to keep doing something despite difficulty.	1 point

SESSION S1.2

Dare to be Challenged Led by tutors



What is Resilience and perseverance– Write down a definition for each of these terms.







The capacity to recover quickly from difficulties.



Persistence in doing something despite difficulty or delay in achieving success.

Thinking Exercise

I want you to spend 2 minutes thinking of a challenge you have faced either at primary or secondary school, that was particularly challenging.

One that you found made you feel stressed or upset or worried, but one that you overcame. How were you perseverant? How were you were resilient?

Peer Discussion

- •What was your goal?
- •What was the outcome?
- •What obstacles did you have to overcome?
- •What unpleasant feelings and thoughts do you remember having in the situation?
- •Who, if anyone, did you receive external help and support from?
- •What specific attitudes and skills helped you cope with the situation?
- •How would you rate your resilience and perseverance in that situation?
- •What strengths and personal qualities helped you?
- •If it wasn't 100%, how could your resilience be improved during similar situations in the future?
- •Based on your experience how might you advise someone else to cope with a similar situation in the future?

SESSION S1.3

Dare to be Challenged Led by tutors

Perseverance and Resilience self analysis

As an initial guide, rate yourself on a scale of 1-10 1 being low and 10 high.

1	I have plenty of support from other people in my life.	
2	I am able to accept myself for who I am.	
3	I am confident in my ability to cope with problems.	
4	I am good at communicating and interacting with others at times of stress.	
5	I am good at facing challenging problems and solving these bit by bit.	
6	I cope well with my emotions in the face of adversity.	
7	I am willing to try again if it all goes wrong.	

Perseverance and Resilience self analysis

As an initial guide, rate yourself on a scale of 1-10 1 being low and 10 high.

- 1. I have plenty of support from other people in my life.
- 2. I am able to accept myself for who I am.
- 3. I am confident in my ability to cope with problems.
- 4. I am good at communicating and interacting with others at times of stress.
- 5. I am good at facing challenging problems and solving these bit by bit.
- 6. I cope well with my emotions in the face of adversity.
- 7. I am willing to try again if it all goes wrong.

Instead of adding up your score fill in this grid in response to your answers.

Question	What made me rate this above zero?	What could I do to increase the score and make it closer to ten?
1		
2		
3		
4		
5		
6		
7		

Think about your perseverance in terms of your approach to the Dare to be Challenged Practice project.

On a scale of
$$0 - 10$$

Perseverance

On a scale of $0 - 10$

perseverant

Rate your resilience for the summer practice project.

Now Rate your resilience for you focused practice skill

Think about your resilience in terms of your approach to the Dare to be Challenged Practice project.

$$0 = No$$
 On a scale of $0 - 10$ 10 = Very Resilience 5

Rate your resilience for the summer practice project.

Now Rate your resilience for you focused practice skill

10 = Very Resilient/
perserverant

Now rate your perseverance and resilience for each of your school subjects.

English, Maths, Art, PE etc...

SESSION S1.4

Dare to be Challenged Led by tutors

Remember you are good enough Everyone is different Stop comparing yourself Individuality rocks Learn something new daily Involve yourself in what you love doing Enjoy things that make you happy Not everyone can be 1st, 2nd, or 3rd Care about yourself and others Expect that some days won't be great

Homework for your parents.

Complete the questionnaire on your own and your daughters approach so far to the challenge project.

5. Do you have an awareness of the work your daughter has been doing during tutor time to understand her Thank you for your taking time to fill out this evaluation, your views are helpful to us improving learning at 4.Do you feel that the Dare to be challenged parent, event / meet the tutor, gave you an understanding of Mid Way Parent Evaluation of Year 7 Dare to be Challenge Project 1.Were you clear on what you and your daughter needed to do for the Dare to be Challenged summer own learning behaviour and do you feel that this is helping her to understand how she approaches We were not able to attend 6. Has your daughter practised her challenge skill at home on a regular basis? What skill area did your daughter take on for her enrichment challenge? how to support your child with deliberate practise and growth mindsets? project when it was launched on the year six induction day/evening? Comments: (Are there any areas that have been particularly helpful?) 9 7. How do you feel we could improve the project? Form Group Comments: (If no what are the barriers to this?) Does your daughter regularly attend this club. 9 9 9 9 If no what are the barriers to this? YES Daughter's Name Sydenham School Comments: Comments learning?

Homework for You

Complete your poem,

Then write it out neat. Add illustrations or even better photos of you being resilient and working on your challenge.

Remember you are good enough Everyone is different Stop comparing yourself Individuality rocks Learn something new daily Involve yourself in what you love doing Enjoy things that make you happy Not everyone can be 1st, 2nd, or 3rd Care about yourself and others Expect that some days won't be great

SESSION S1.5

Dare to be Challenged Led by tutors



What are the five steps of deliberate practice?





3. Regular Focused practice.

4. Get immediate expert feedback.

5. Store it in your long term memory.

5 points



Principle of Deliberate Practice	Top tips	How well have you been doing on this so far?		Written Target review 1 – Why, next steps	Target review 2
Push beyond your comfort Zone	If it is too easy you need to add in more challenge, if it is too hard take a step back.	1 2	3 4		
Make specific goals	Use the practice schedule your teacher gave you. This breaks your skill into small makes skills.	at your	approach	to Deliberate practice.	
Focus during practice.	You should really chall yourself when you pra properly and focus jus specific targets. In the Review 2 column, think about if you have made any progress in each of these				
Practice regularly, for good length of time	Make/ use your practi and stick to it. and stick to it. areas. Use a different colour pen and mark				
Get immediate expert feedback	Record and analyse your as you go. Get your parents/guardians to get feedback based on you targets. Self evaluate your progress at the end of your practice.		s onto the	e central number	
Form a model/ schema in your long term memory make it easy and automatic.	Use the tutor sessions to review your learning this will help it to stay in your long term memory. The more you practice the easier it will become.		· ·	c practice timetable to help you position and written target 1.	

SESSION S1.6

Dare to be Challenged Led by tutors

Catch up lesson

Students check all work is completed so far, they can also check their planner tracker is up to date.

Spring Half Term

SESSION S2.1

Dare to be Challenged Led by tutors



What is resilience?



The ability to recover from or adjust easily to misfortune or change.



What is perseverance?



The ability to keep doing something despite difficulty.

Retrieval Practice

= The process of bringing to mind information stored in your long term memory.

EXAMPLE

Resilience is a learning behaviour a VAA and it is when I bounce back from something when it goes wrong.



High Performance Learning What do I know?



What is HPL



HPL stands for High Performance Learning



What does VAA stand for and what does this mean?



VAA stands for Values, Attitudes and attributes and they are a list of the best learning behaviours for a successful future.



What does ACP stand for and what does this mean?



ACP stands for Advanced Cognitive and Performance Characteristics and they are a list of the best thinking strategies for successful learning.



Risk-Taking

Values, Attitudes and Attributes Your Learning behaviours



Linking



Realising



Creating



Meta-thinking

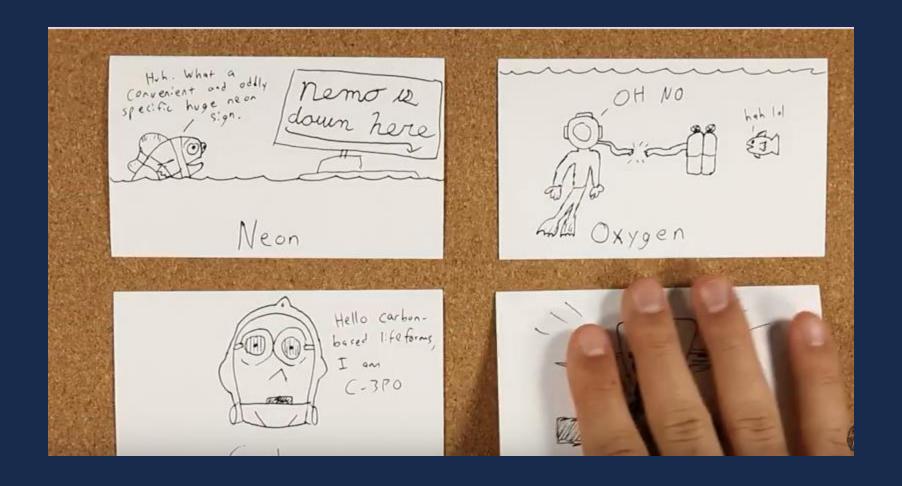


Analysing

ACP's Ways of thinking that will help you to learn more effectively

SESSION S2.2

Dare to be Challenged Led by tutors



- https://collegeinfogeek.com/flash-card-study-tips/
- Watch this film on making Flash cards (8 min)

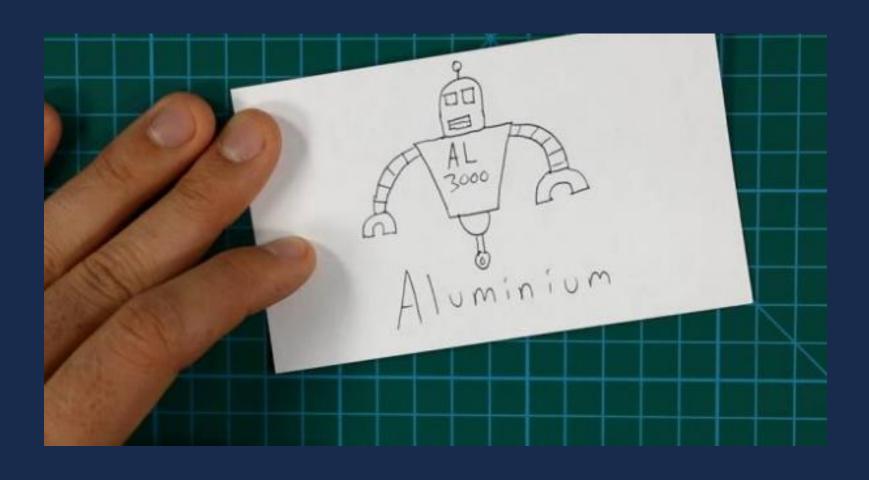
- 1. Make Your Own Flash Cards
- 2. Mix Pictures and Words
- 3. Use Mnemonic Devices to Create Mental Connections
- 4. Write Only One Question Per Card
- 5. Break Complex Concepts Into Multiple Questions
- 6. Say Your Answers Out Loud When Studying
- 7. Study Your Flash Cards in Both Directions
- 8. Flash Cards are not the only way to remember and recall things.

We are now going to think about the key points made in this film and note them down. What can we remember about these points?

1. Make Your Own Flash Cards

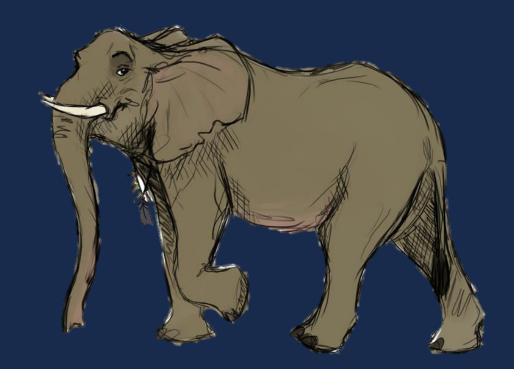


2. Mix Pictures and Words

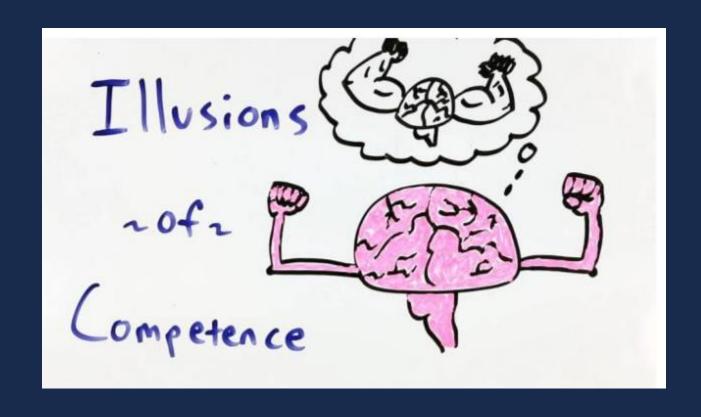


3. Use Mnemonic Devices to Create Mental Connections

BECAUSE Big Elephants Can Always Understand Small Elephants



4. Write Only One Question Per Card



5. Break Complex Concepts Into Multiple Questions



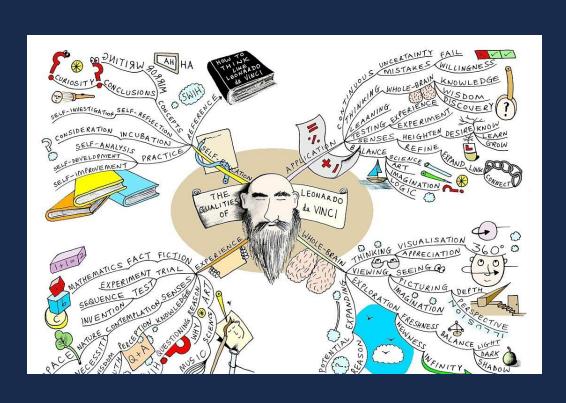
6. Say Your Answers Out Loud When Studying



7. Study Your Flash Cards in Both Directions



8. Flash Cards are not the only way to remember and recall things.





SESSION S2.3

Dare to be Challenged Led by tutors

You Will Need:

 Card or paper to make flash cards

Today you are going to make flash cards for the concept of deliberate practice.



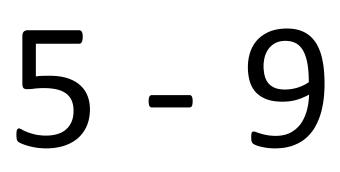
- 2. Mix Pictures and Words
- 3. Use Mnemonic Devices to Create Mental Connections
- 4. Write Only One Question Per Card
- 5. Break Complex Concepts Into Multiple Questions



So what facts do we need to remember and make flash cards about?

How many chunks of information can your working memory hold?







Working Memory

- Working memory can generally hold between five and nine items (or chunks) of information at any one time.
- Information comes into the working from the world around through your senses.
- It processes the information and uses it to perform tasks. E.G Solve a maths problem or talk to another person.
- The working memory can only hold onto information for a short period of time, after that it either forgets it or transfers it to the long term memory.





- Your long term memory is where information can be stored for long periods of time.
- One of the issues can be retrieving information from the long term memory.
- We can improve this by chunking information together. These chunks are called Schemas

THE FIVE PRINCIPLES OF DELIBERATE PRACTICE



PUSH BEYOND one's comfort zone



Work toward well-defined, SPECIFIC GOALS



FOCUS intently on practice activities



Receive and respond to HIGH-QUALITY FEEDBACK



Develop a

MENTAL

MODEL

of expertise



Working Memory

- Working memory can generally hold between five and nine items (or chunks) of information at any one time.
- Information comes into the working from the world around through your senses.
- It processes the information and uses it to perform tasks. E.G Solve a maths problem or talk to another person.
- The working memory can only hold onto information for a short period of time, after that it either forgets it or transfers it to the long term memory.

Long Term Memory

- Your long term memory is where information can be stored for long periods of time.
- One of the issues can be retrieving information from the long term memory.
- We can improve this by chunking information together. These chunks are called Schemas





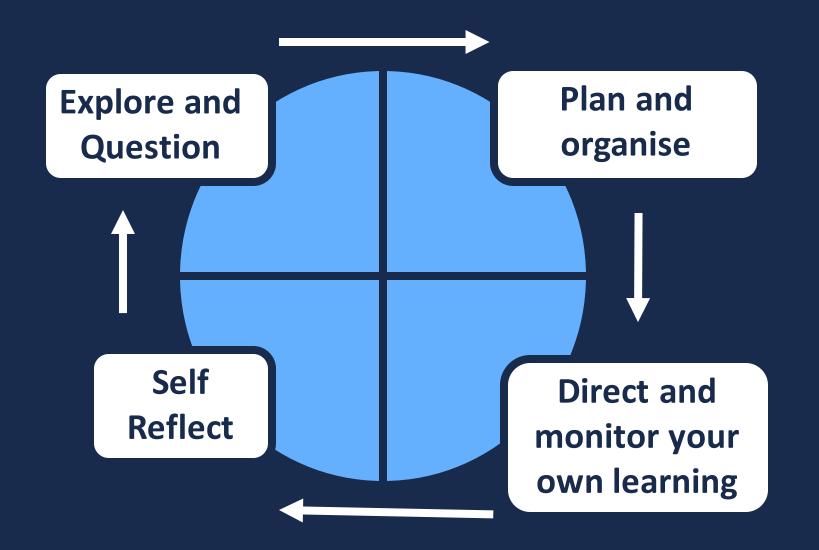
Homework

•Finish making 5 flashcards on deliberate practice
You can make more if you wish.

SESSION S2.4

Dare to be Challenged Led by tutors

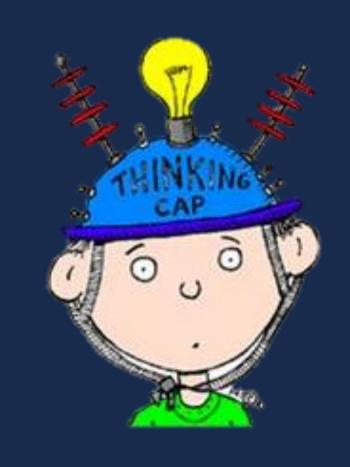
Metacognition – What is this?





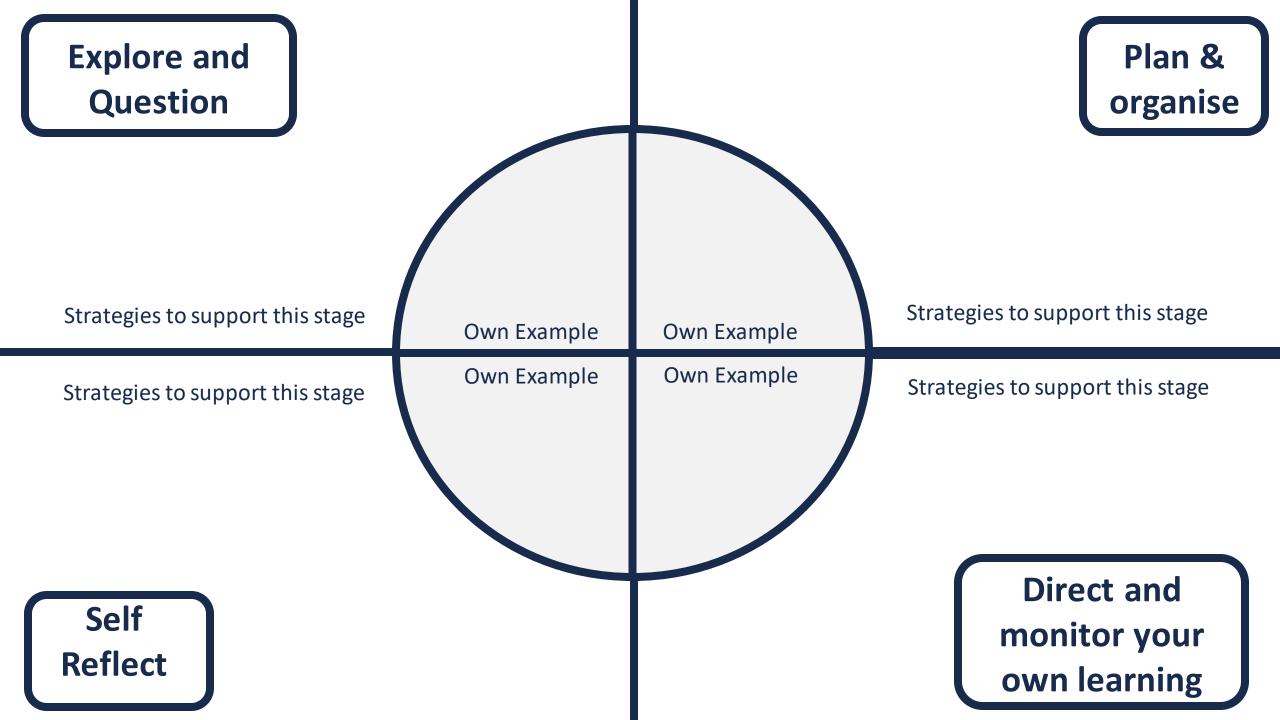
Definition

Metacognition is the recognition and understanding of our own thinking processes.



All of the dare to be challenged project has been aimed at getting you to be more metacognitive.





- Ask yourself a range of internal questions to help you find out information.
- Question others or use a range of sources to help you understand better.



EXPLORE AND QUESTION

• Use the information you have to plan the best path to forward.



PLAN & ORGANISE

- Use success criteria to work out priorities and next steps on your own.
- Find effective strategies to develop mental maps, pictures or plans that can be stored in your long term memory.



DIRECT AND MONITOR YOUR OWN LEARNING

• Self evaluate your learning and make changes when things are not working. Develop an internal voice that can ask relevant questions as you work.



DIRECT AND MONITOR YOUR OWN LEARNING

 Develop an awareness of your own actions and their effect these have on your learning progress.



SELF REFLECT

SESSION S2.5

Dare to be Challenged Led by tutors

You Will Need:

- PowerPoint
- Portfolios
- Computers

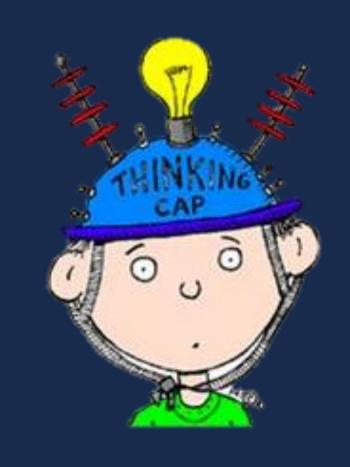
Do it Now

Write down a definition for the term Metacognition

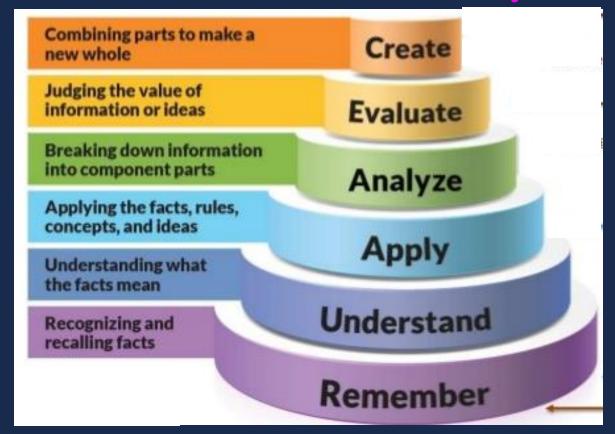


Do it Now

Metacognition is the recognition and understanding of our own thinking processes.



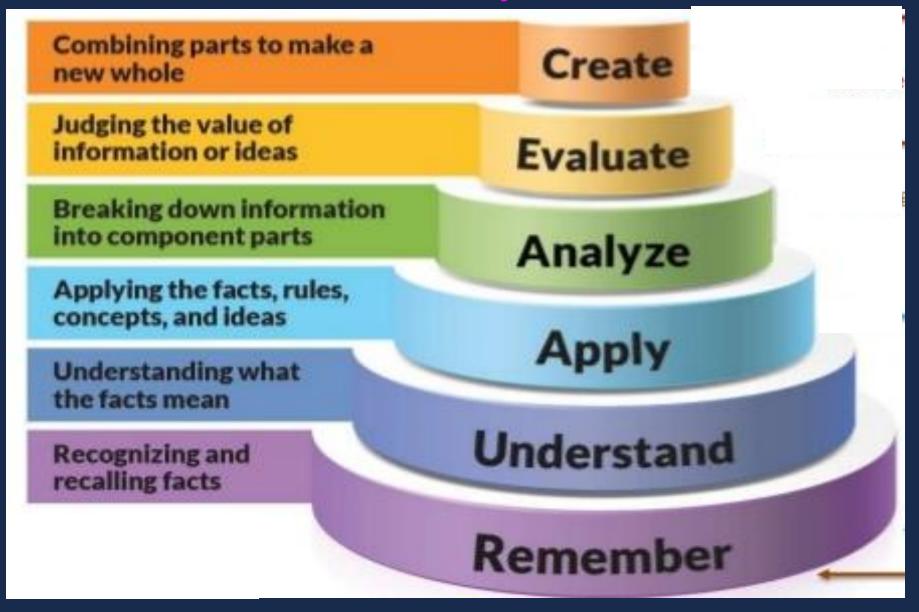
Bloom's Taxonomy

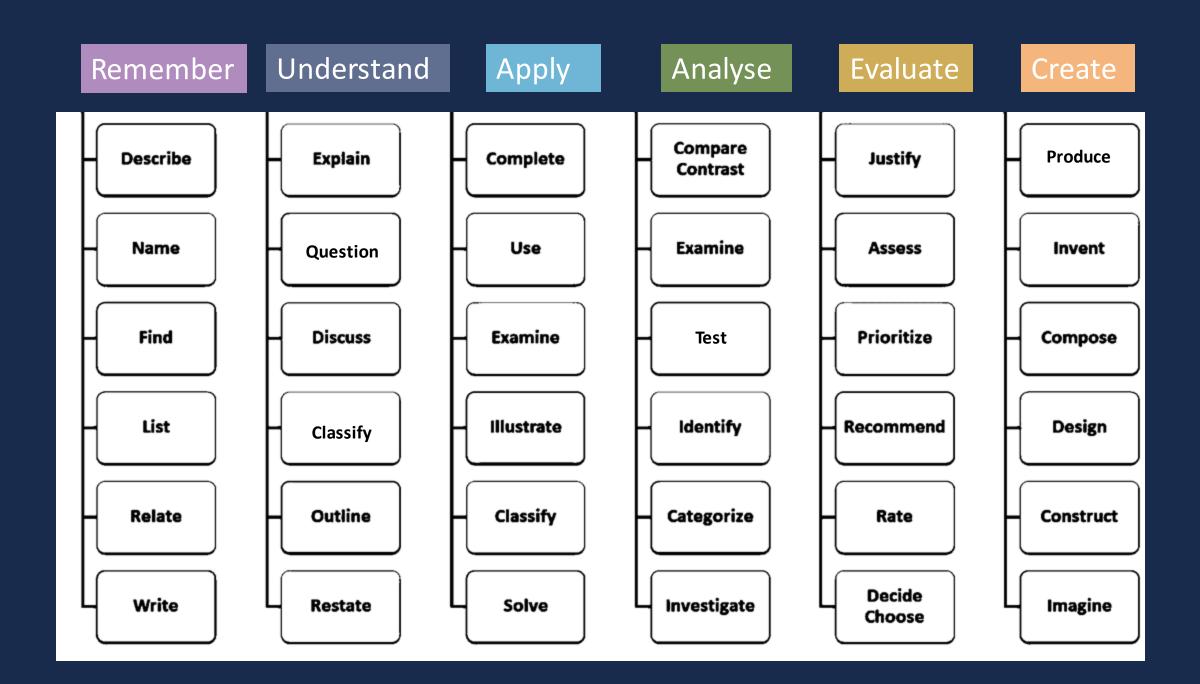




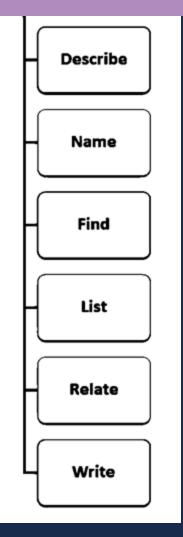
EXPLORE AND QUESTION

Bloom's Taxonomy





Remember



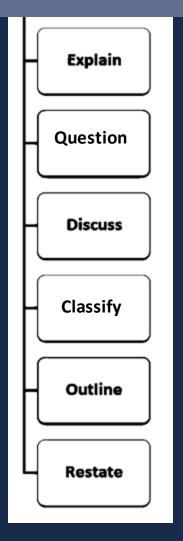
E.G –

Describe the bears house.

Name the main characters



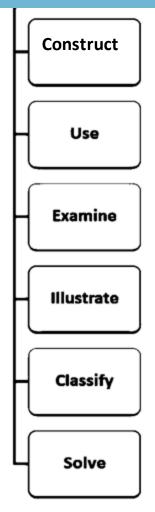
Understand



E.G -

- Explain why baby bear was upset.
- Question what may have led Goldilocks to behave in this way.

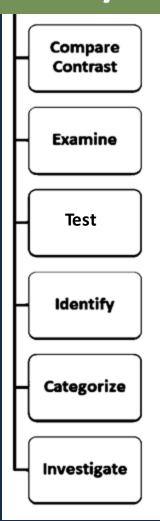
Apply



E.G -

- Construct a theory as to why goldilocks went into the house.
- Use this example to illustrate the effects of this behaviour on others.

Analyse

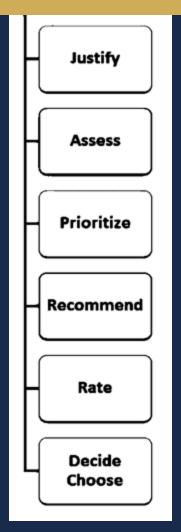


E.G-

- Compare and contrast the way
 Goldilocks acted in this story and
 the way you would behave.
- Examine the long term effects this incident may have on baby bear.

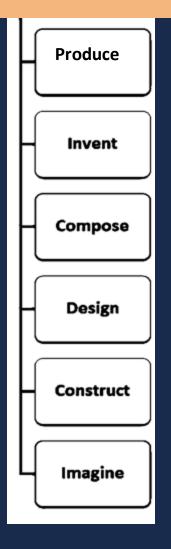
Evaluate

E.G –



- Justify Goldilocks behaviour, why might she argue she was not in the wrong.
- Assess what we can learn from this story, what is the key moral?

Create



E.G -

- Produce a new fairy tale that has the same moral.
- Invent a new ending for this tale that uses the criminal justice system.

Homework

This week use Blooms taxonomy to help you with a piece of school work.

Bring in evidence of this to discuss in tutor time.

SESSION S2.6

Dare to be Challenged Led by tutors

You Will Need:

- PowerPoint
- Portfolios
- Computers

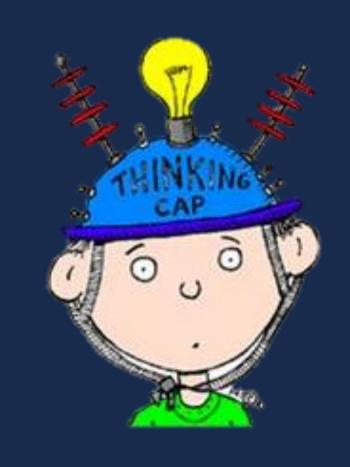
Do it Now

Write down a definition for the term Metacognition

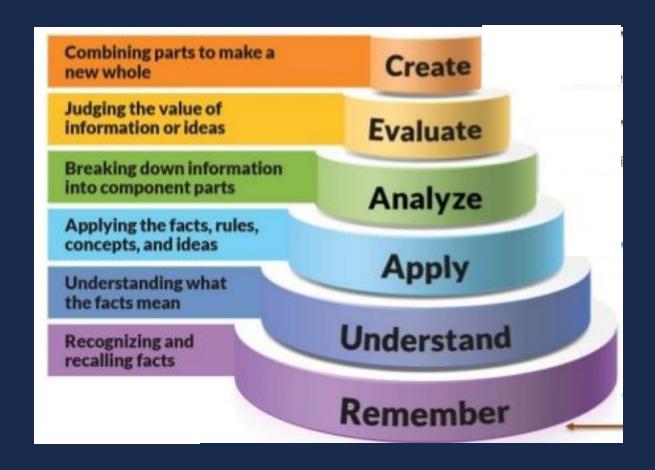


Do it Now

Metacognition is the recognition and understanding of our own thinking processes.



What is this and what is it used for?





EXPLORE AND QUESTION

How have we used this in our learning this week?

SESSION S2.6

Dare to be Challenged Led by tutors

IMPORTANT NOTE FOR TUTORS
You Will Need:

To pre-plan the dates of all the students presentations.
Realistically you will probably manage 3 per tutor time.

After Half term you will be all doing your presentations of your learning this year. This will be all about the new skill you have learnt but you will try and link this in with your learning across the year within tutor time.

You will be given a date when you will present your work to the rest of the class.
You should start working on this during the holidays.

When will your session be?



Week	DATE	Student 1	Student 2	Student 3
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

What will our portfolios look like?

 What sort of standard do you think we are aiming for?

- Gold
- Silver
- Bronze







1. Well written, detailed and well presented reviews and evidence of summer challenge – photos of practice, working with family, outcomes and progress.



This summer I learnt how to swim backstroke. I have been able to swim since I was four but have never learnt backstroke. I decided now was the time.

My Summer Challenge

My summer challenge was to be able to swim one length of backstroke without stopping and improve my technique gradually. I had to improve my confidence and trust in order to do this

My overall goal for this challenge was to be a much more confident swimmer and I think that I achieved that.

I worked together with my dad and my older brother to complete my challenge. They helped by showing me the correct technique. Supporting me to stay in a straight line and know when I was approaching the wall and encouraged me to keep trying.

I practiced my challenge skill and actually managed to swim three lengths as well as swimming in the sea, which was harder as there were waves.

2. Own pit diagram



4. Mindset solution Grid – Complete

5. Deliberate practice Grid - Complete

Learning Stage	Analysing my learning Mindsets	Growth	Fixed	Personal Targets
Initial Desire	I thought oh no I have to do homework in the summer, that's not fair.		/	To not see learning as a bad thing but to see it as a fun thing to be part of
Evaluating the situation	I was thinking it would be good fun to do it with my mum as she is really good at it and can help me to learn.	/		To continue to find the positives in situations and be optimistic about the benefits.
Dealing with setbacks				
Attitude to Challenge				
Attitude to Effort				
Attitude to Criticism				
Success of others				
Predicted result				

Principle of Deliberate Practice	Top tips		ell have on this s	een	Written Target review 1 – Why, next steps	Target review 2
Push beyond your comfort Zone	If it is too easy you need to add in more challenge, if it is too hard take a step back.					
Make specific goals	Use the practice schedule your teacher gave you. This breaks your skill into small manageable skills.					
Focus during practice.	You should really challenge yourself when you practice. Do it properly and focus just on your specific targets.	need to focus on more		very well		
Practice regularly, for good length of time	Make/ use your practice schedule and stick to it.	focus		doing ve		
Get immediate expert feedback	Record and analyse your practice as you go. Get your parents/guardians to give you feedback based on your specific targets. Self evaluate your progress at the end of your practice.	I need to		l am do		
Form a model/ schema in your long term memory make it easy and automatic.	Use the tutor sessions to review your learning this will help it to stay in your long term memory. The more you practice the easier it will become.	L			practice timetable to help you osition and written target 1.	

6. Ready to Learn poster



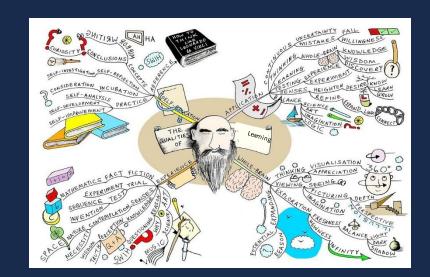
7. Perseverance Self analysis

Question	What made me rate this above zero?	What could I do to increase the score and make it closer to ten?
1		
2		
3		
4		
5		
6		

8. Resilience acrostic Poem.

Remember you are good enough
Everyone is different
Stop comparing yourself
Individuality rocks
Learn something new daily
Involve yourself in what you love doing
Enjoy things that make you happy
Not everyone can be 1st, 2nd, or 3rd
Care about yourself and others
Expect that some days won't be great

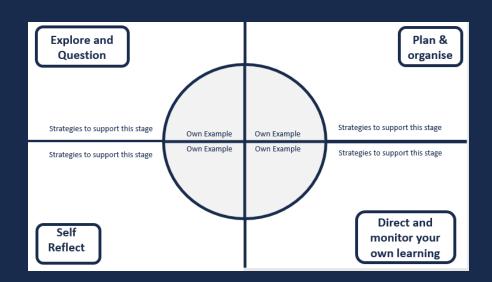
9. HPL Mind Map



10. Deliberate practice flashcards.



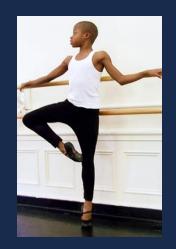
11. Metacognition Diagram



12.Blooms taxonomy homework.



13. Skill specific work – Photographs that show progress, time plan, written analysis and evaluation of progress, Diary entries, timetable, photographs of outcomes, research on the wider idea i.e. – football – rules of the game etc...



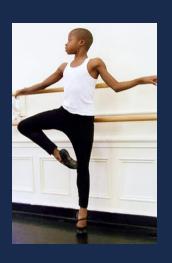






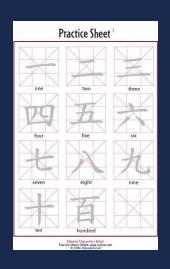


This last part is what will make your presentation really unique. Remember to link it all in to what we have been learning.



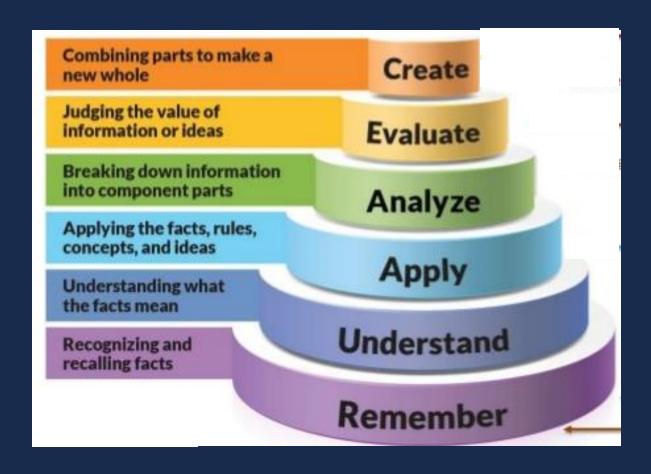








Work to Complete	Next Steps	Tick when achieved
1. Well written, detailed and well presented reviews and evidence of summer challenge – photos of practice, working with family, outcomes and progress.		
2. Own pit diagram		
3. Pit diagram of focused skill area		
4. Mindset solution Grid		
5. Deliberate practice Grid		
6. Ready to Learn poster		
7. Perseverance Self analysis		
8. Resilience acrostic Poem.		
9. HPL Mind Map.		
10. Deliberate practice flashcards		
11. Metacognition Diagram		
12.Blooms taxonomy homework.		
13. Skill specific work – Photographs that show progress, time plan, written analysis and evaluation of progress, Diary entries, timetable, photographs of outcomes, research on the wider idea i.e. – football – rules of the game etc		





EXPLORE AND QUESTION

• Planning:

- · what needs to be done
- the organisation of tasks
- the priority of tasks

What is our goal?
What information do we need?
What strategies can we use?
What resources do we need?
How much time will the task take?



PLAN + ORGANISE

Examples of key words in teaching thinking and learning

Thinking, learning, understanding, teaching, mastering, persevering, wondering, rehearsing, practising, modelling, describing, telling, asking, exploring, investigating, imagining, creating, listening, choosing, deciding, planning, assessing, evaluating, demonstrating, explaining, remembering, talking, analysing, discussing, guessing, synthesising, predicting,

suggesting, testing, sketching reconsidering, reviewing, reconsidering, summarising, hyperstandard sum

Do we understand what we're doing?
Is this strategy working?
Are we making progress towards our goal?
Are we answering the questions?
Do we need to make changes?



DIRECT AND MONITOR YOUR OWN LEARNING

After an activity:

- 'What kind of thinking did we do?'
- 'How did we do our thinking?
- 'Did we have a plan? A strategy?'
- 'Was our thinking good/effective?'
- 'How could we improve our thinking next time'
- 'Can we use this approach in another area?'



Did we reach our goal successfully?

Did we need to change the approach that we began with?

What worked? What didn't work? Would we do anything differently next time?

SELF REFLECT

Easter

SESSION SU1.1

Dare to be Challenged Led by tutors

IMPORTANT MESSAGE FOR TUTORS

Please assess your tutor groups portfolios and fill in the following form.

Max 4 gold awards per tutor group – excelled in all target areas
Max 8 silver per tutor group to those who met targets well
Bronze to any who have met all targets
No Award If they have not met targets

Type of Award	Student Name	Points for verbal presentation	Form
Gold			
Silver			
Bronze			

When will your session be?



Week	DATE	Student 1	Student 2	Student 3
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Week 1 Presentations

SESSION SU1.2

Dare to be Challenged Led by tutors

Week 2 Presentations

SESSION SU1.3

Dare to be Challenged Led by tutors

You Will Need:

- PowerPoint
- Portfolios
- Computers

Week 3 Presentations

SESSION SU1.4

Dare to be Challenged Led by tutors

You Will Need:

- PowerPoint
- Portfolios
- Computers

Week 4 Presentations

SESSION SU1.5

Dare to be Challenged Led by tutors

You Will Need:

- PowerPoint
- Portfolios
- Computers

Week 5 Presentations

Dare to be Challenged Led by tutors

- PowerPoint
- Portfolios
- Computers

Week 6 Presentations

Summer Half term

Dare to be Challenged Led by tutors

- PowerPoint
- Portfolios
- Computers

Week 7 Presentations

Dare to be Challenged Led by tutors

- PowerPoint
- Portfolios
- Computers

Week 8 Presentations

Dare to be Challenged Led by tutors

- PowerPoint
- Portfolios
- Computers

Week 9 Presentations

Dare to be Challenged Led by tutors

- PowerPoint
- Portfolios
- Computers

Week 10 Presentations

Dare to be Challenged Led by tutors

Evaluation for Students

Final Student Evaluation of Year 7 Dare to be Challenge Project

Name	Form Group	enged Project?	
Do you feel that you were clear about the different skills that you needed to practise? YES NO NO How could this have been improved?	r about the different skill	s that you needed to practiss	E-3
Bid you enjoy the opportunity to show your parents/ guardians what you have been learning? NO I did not include them	to show your parents/ gu	iardians what you have been I did not include them	leaming?
Do you feel that including your family made it easier for your parents/carers to support you when practicing? YES	r family made it easier for NO	your parents/carers to supple I did not include them	oort you when practicing?
Did the work you completed during tutor time each week help you to understand how you learn and how you can improve your approach to learning? YES NO NO NO NO NO NO NO NO NO N	uring tutor time each wer ning? NO	ek help you to understand ho	ow you learn and how you can
Comments: (Are there any areas that have been particularly helpful?)	save been particularly hel	pful?)	
b. Did you practise your challenge skill on a regular basis? YES NO NO NO NO NO NO NO NO NO N	e skill on a regular basis? NO		
Comments: (If no what are the barriers to this?)	s to this?)		
7. How do you feel we could improve the project?	rove the project?		
Thank you for your taking time to fill out this evaluation, your views are helpful to us improving learning at Sydenham School.	ut this evaluation, your vi	ews are helpful to us improv	ring learning at Sydenham

Dare to be Challenged Led by tutors

- PowerPoint
- Portfolios
- Computers

No Session