

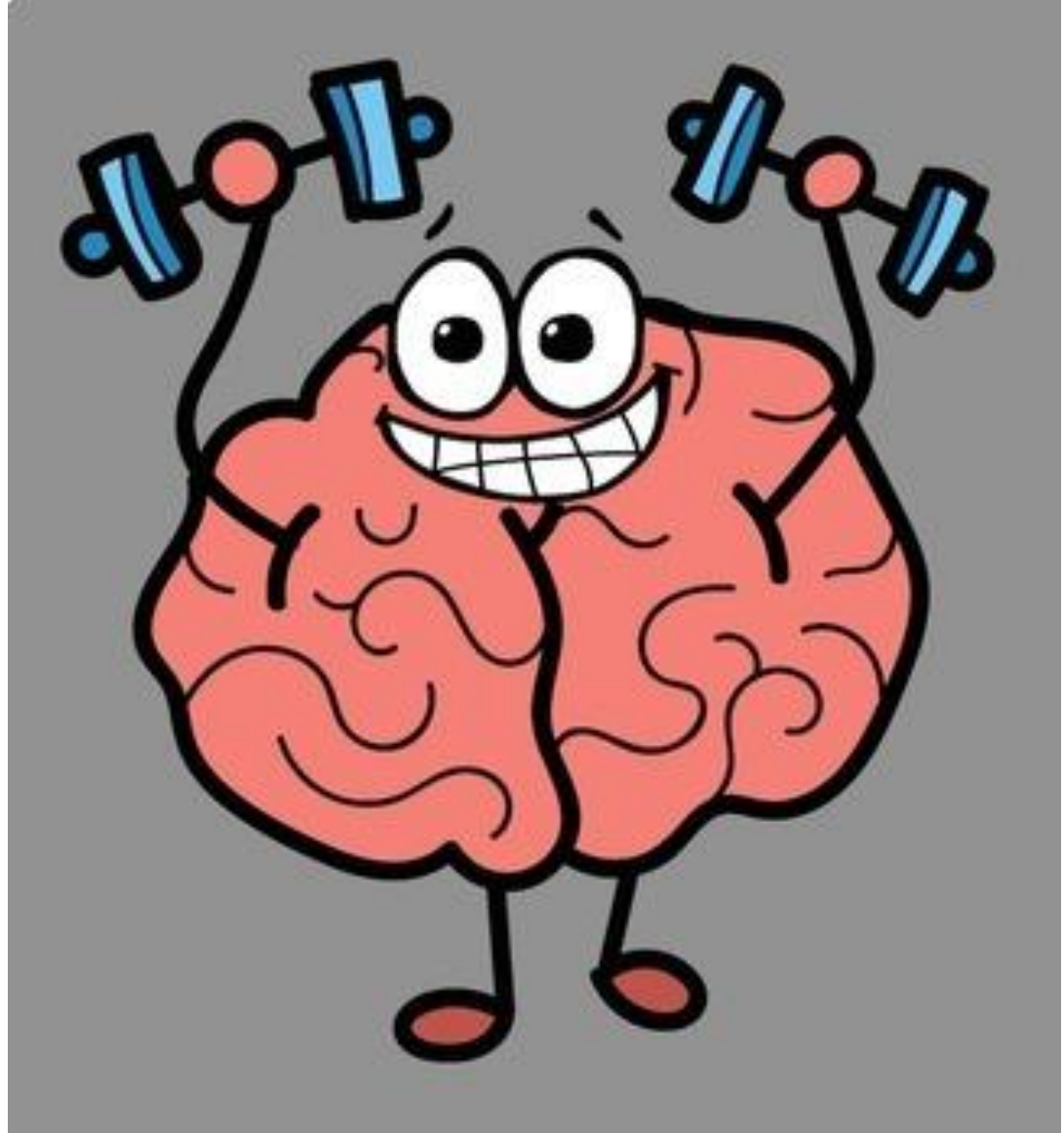
A conceptual illustration of a human head profile in white, set against a dark teal background. The interior of the head is filled with a complex arrangement of interlocking gears of various sizes. Surrounding the head and within the background are numerous circular icons representing different fields of study: science (DNA helix, atom, microscope, telescope, globe, calculator, person running), mathematics (numbers like 2, 3/4, 5, 7, geometric shapes like a cube with labels a, b, c), chemistry (flasks, H₂O, H), and general symbols (gears, arrows, a lightbulb). The overall theme is the integration of diverse knowledge into a single cognitive framework.

‘GCSE results shows girls are simply smarter than boys’ (*The Independent* 13.8.21)

- “It takes more than just being smart, for want of a better word, to do well in school,” said Jake Anders, the deputy director of University College London’s centre for education policy and equalising opportunity.



‘Growth
Mindset’



Brain development



TAXI DRIVERS



DWECK



BRIDGE

What does a
growth
mindset look
like?

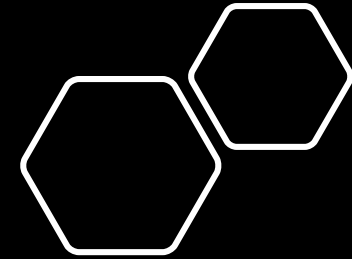
What do we
praise?





METACOGNITION

To make an individual meta-cognitively aware is to ensure that the individual has learned how to learn.



Commercial awareness

Communication

Teamwork

Negotiation and persuasion

Problem solving

Leadership

Organisation

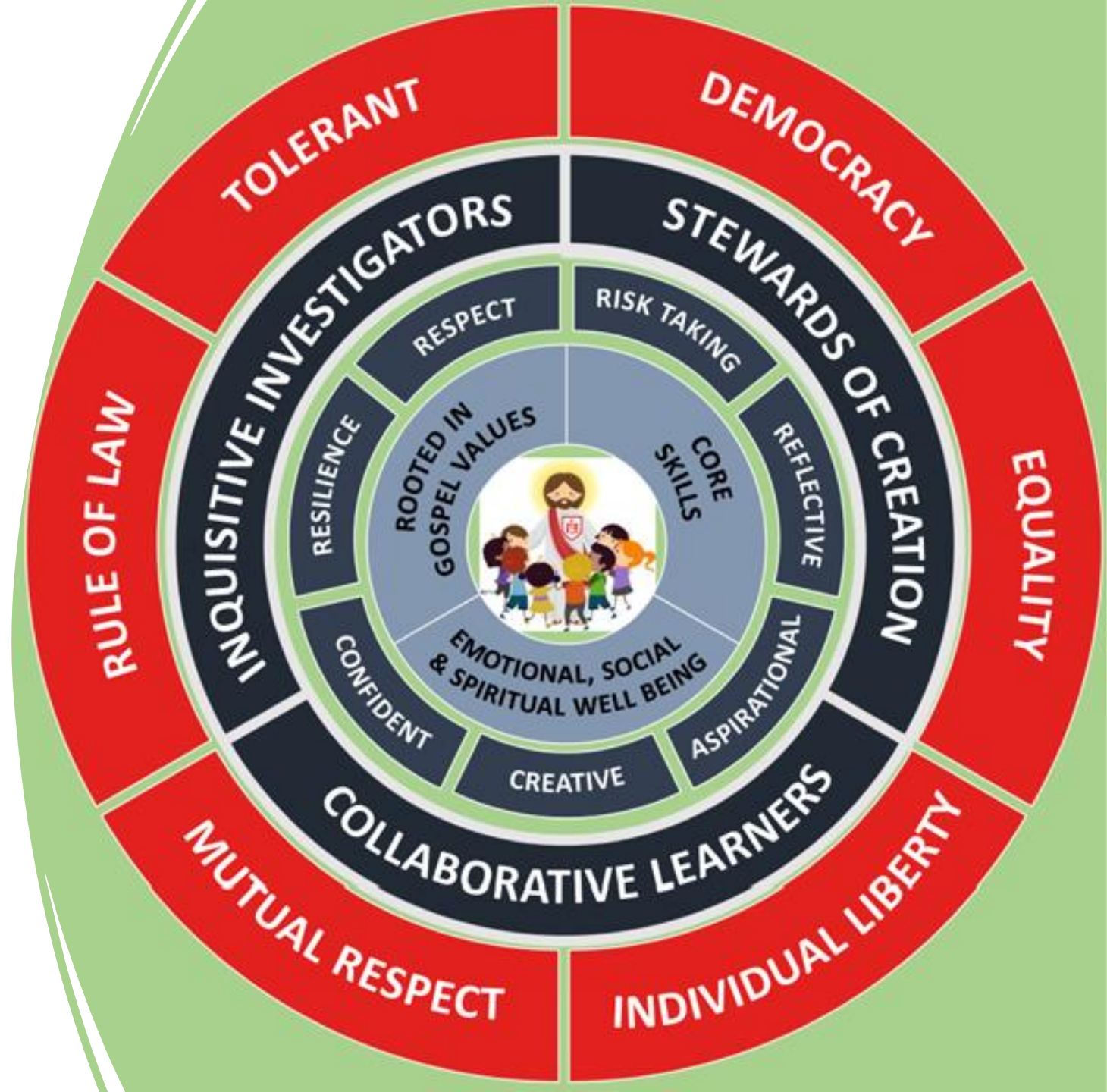
Perseverance and motivation

Ability to work under pressure

Confidence

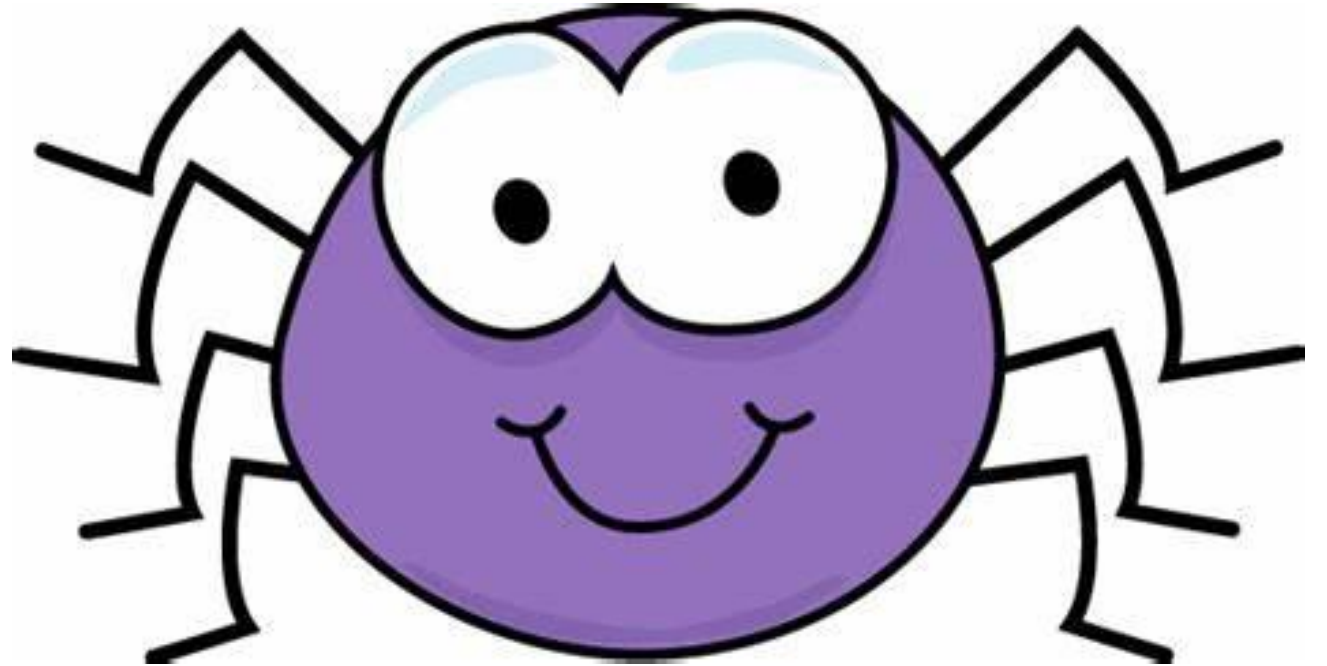
Learning Powers

- Respect
- Risk-taking
- Reflective
- Aspirational
- Creative
- Confident
- Resilience



Spider- Creativity

What will
creativity in
learning
actually look
like?



Monkey- Risk taking

- Have a growth mindset
- Do not worry if things don't work out.
- Learn from mistakes
- Try new things.





Giraffe- Aspiration

- Concentrate.
- Focus on your work.
- Try to make one thing better than last time.
- Recognise what 'good' looks like.
- Puts in effort.
- Sets targets and works to achieve them.
- Challenges themselves.
- Understands that learning can be hard and requires effort.

Squirrel- resilience

- Work hard
- Practise lots
- Keep going
- Try new strategies
- Ask for help
- Start again
- Take a brain break



Peacock- confident



Asks questions.

Answers questions.

Contributes.

Power of yet.

Happy to try.

Lion- respect

- Work well with others
- Listen to others' ideas
- Share resources
- Allocate tasks fairly
- Disagree with others respectfully
- Explain things to help others
- Share ideas



Owl- Reflective



- Review your work
- Identify the best bits
- Improve one thing first
- Try to be better than last time
- Personal bests- don't compare yourself to others
- Take small steps.
- Apply what you already know.



Want to find out more?

- Robert Winston explains in a simple way how the brain can develop (quite interesting)
- <https://www.bing.com/videos/search?q=robert+winston+synapse+bridge&&view=detail&mid=26643AF03D68B30A036826643AF03D68B30A0368&&FORM=VRDGAR&ru=/videos/search?q%3Drobert%2Bwinston%2Bsynapse%2Bbridge%26FORM%3DHDRSC4>
- Carol Dweck explains her research (about 10 minutes)
- [How To Help Every Child Fulfil Their Potential \(Animate\) - RSA \(thersa.org\)](https://www.thersa.org/)