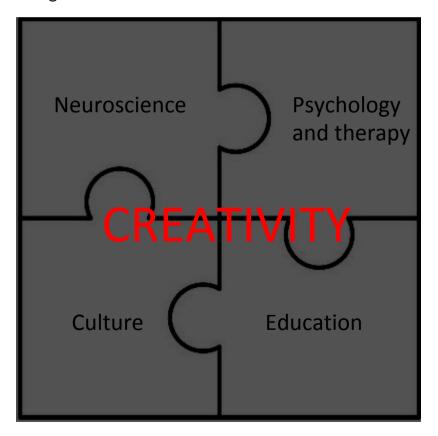


Opening the door to your creativity

Learning about your creativity through experience

FIG Webinar hosted by RPC 10 September 2020 Marion Laleve/Amanda Mather 'Everyday creativity covers the myriad acts by which we build our lives. Observing, reflecting, solving problems and applying our imagination'.

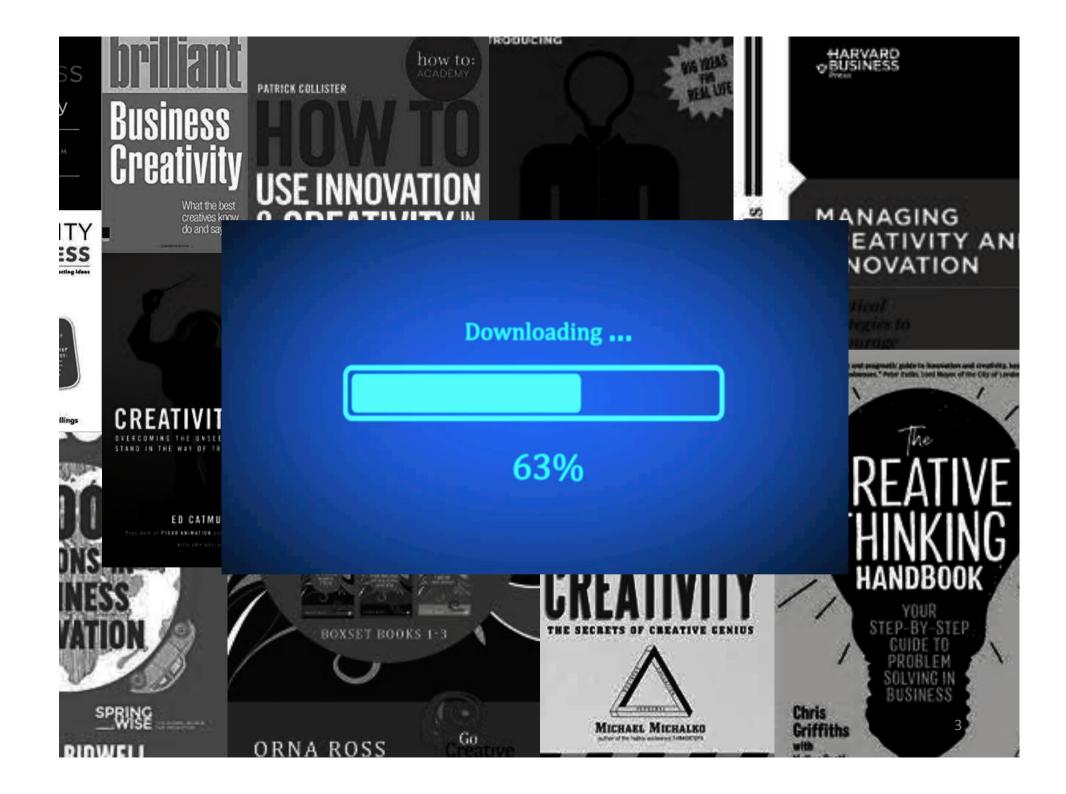
Darren Henley, Chief Executive of Arts Council England





We design and facilitate coaching sessions, programmes and workshops to develop personal creativity and support innovation.





Aim of this talk:

- 1. To understand the neural networks involved in creative processes
- 2. To learn about your personal creativity through experimentation and reflection
- 3. To discuss the application of these concepts

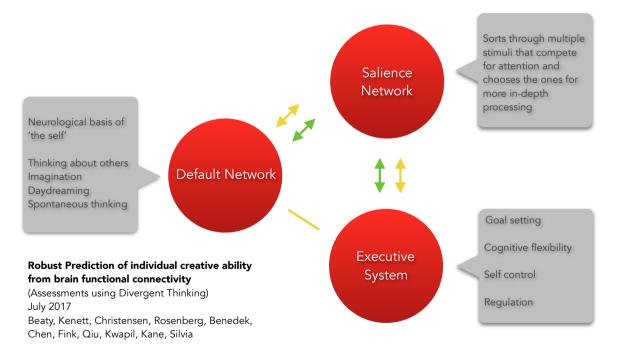


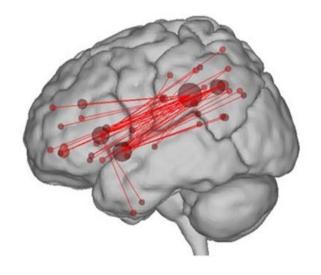
How do you feel about doing something creative?

What the science tells us...

- 1. Everyone is creative
- 2. It is all about brain connectivity







Network neuroscience of creative cognition: mapping cognitive mechanisms and individual differences in the creative brain

Beaty, Seli, Schacter September 2018 What comes up for me (without judgment or consideration of feasibility or beauty)?

The dialogue

What would work best in the real world? (evaluation of the outcome)

"Invent first, verify later"

Sally Potter, Film Director
Orlando, The Party, The Roads Not Taken

Action

How do we innovate?

How do we process information?

The creative decision-making process is a dialogue between processes

What comes up for me (without judgment or consideration of feasibility or beauty)?

The dialogue

Divergent Thinking Default Network and Salience Network: (connectivity of different parts of the brain)

- Imagining the future
- Thinking of others and their intentions
- Imagination and re-imagination
- Memories
- Sensorimotor
- Arts, Images, Metaphors, Free association
- Dreamlike state, spontaneous, non-linear
- Delight, playful, joyous
- Non-judgmental/non-evaluative/uncensored
- Seat of the self

What would work best in the real world? (evaluation of the outcome)

Convergent Thinking Executive system – Prefrontal cortex:

- Evaluative
- Analytical
- Focussed
- Emotional regulation
- Preparing for action

Greater odds of winning the Nobel Prize if you have a creative hobby

Artistic Hobby:

Music: odds 2x greater

playing an instrument, composing, conducting

Arts: odds 7x greater

drawing, painting, printmaking, sculpting

Crafts: odds 7.5x greater

woodwork, mechanics, electronics, glass-blowing

Writing: odds 12x greater

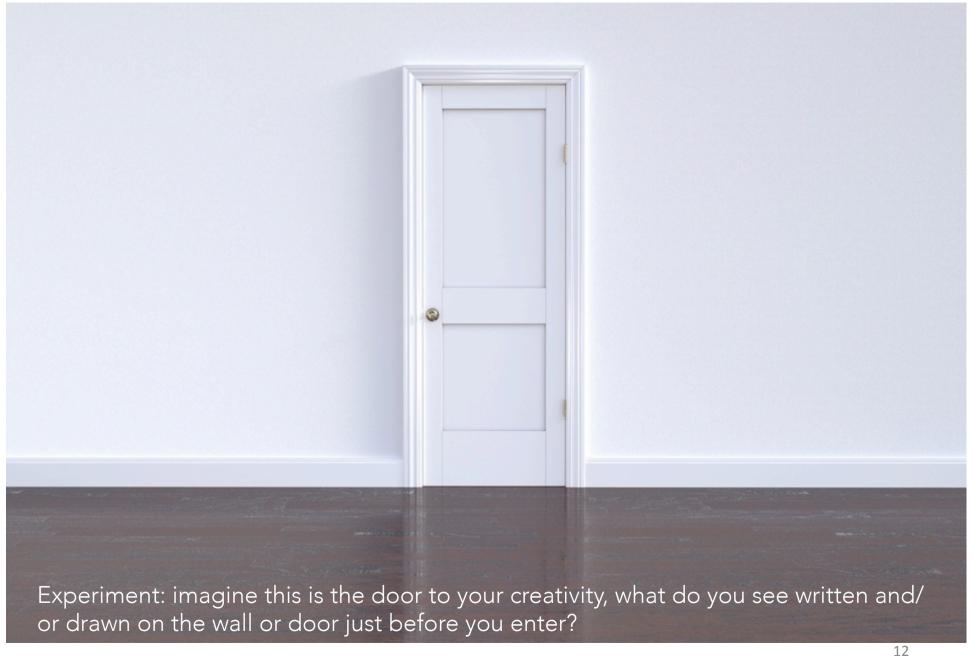
poetry, plays, novels, short stories, essays, popular books

Performing arts: odds 22x greater amateur actor, dancing, magician

Research by Michigan State University on Noble Prize Winning Scientists between 1901 and 2005



Reflection via Chat





















Experiment: how does the door look like?

Reflection via Chat























Deepening of the Experiment: what is behind the door?

Reflection via Chat

'Everyday creativity covers the myriad acts by which we build our lives.

Observing, reflecting, solving problems and applying our imagination'.

Darren Henley, Chief Executive of Arts Council England

Going forward



Q&A

What have you learnt about your creative process? How to practice/exercise creativity?

