

Affect for Effect



Using Student's Emotive Responses to Increase Cognitive Learning

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That the use and inclusion of emotions in teaching and learning is a necessary and vital part of education.

““Emotion is not usefully isolated from the knowledge of the situation that arouses it.” (Bruner, 1986. p.117)

“Human beings have evolved planning systems in which felt emotion plays a critical role...if we strip this planning process of emotions, inappropriate decisions are made” (Harris, 2000. p. 88)

“The affective domain may be equally, if not more important than the cognitive domain in promoting student learning.” (Martin & Reigeluth, 2013. p. 506)



“Emotions persist and develop as the most basic orientors and organizers of our cognition throughout our lives.”
(Egan 2008, p.46)

Cognitive development – the development of thought, understanding and knowledge.*

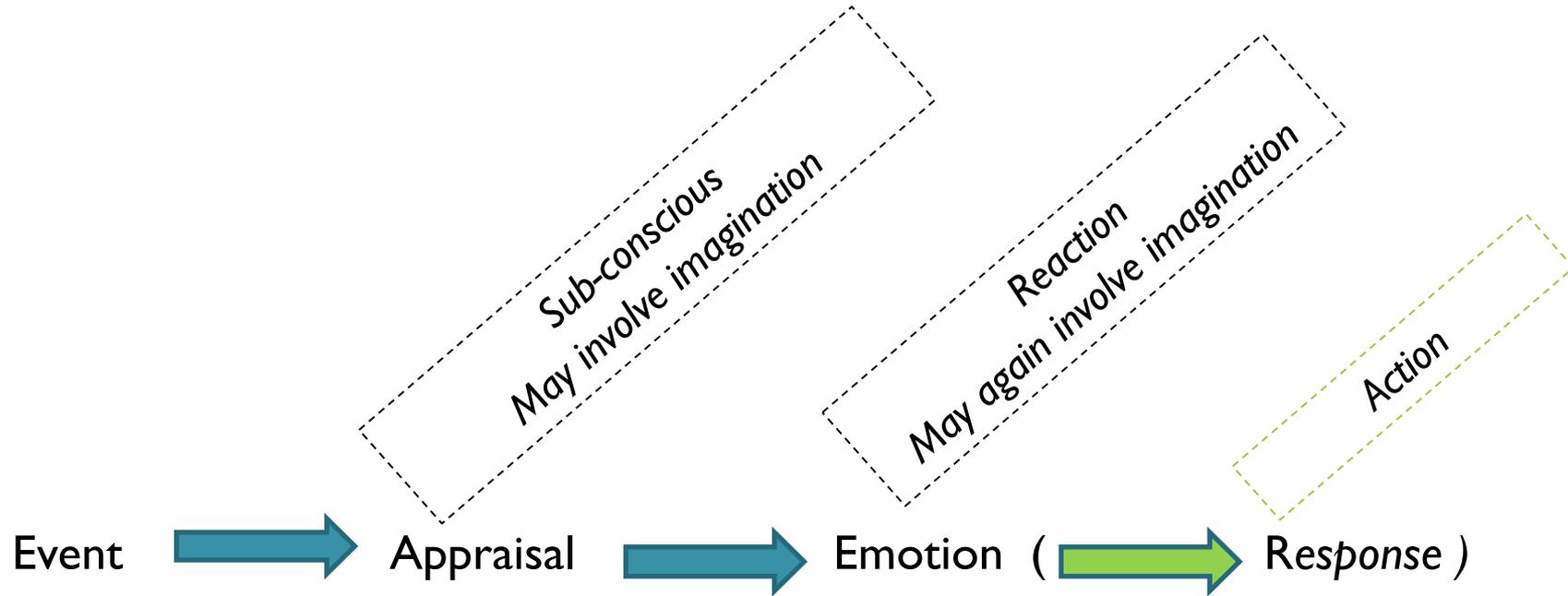
Cognitive Tools – “Aids to thinking developed in cultural history and learned by people today to enlarge their powers to think and understand.”(Egan 2005, p.219)

IE Cognitive Tools



Thinking tools/mental devices for making sense of the world and acting more effectively.

Mythic Understanding	Romantic Understanding
Story	Sense of reality
Metaphor	Extremes & limits of reality
Binary opposites	Association with heroes
Ryhme, metre & pattern	Wonder 
Joking & humour	Humanizing of meaning
Forming of images	Collections and hobbies
Sense of mystery	Revolt and idealism
Games, drama, & play	Context change & role play

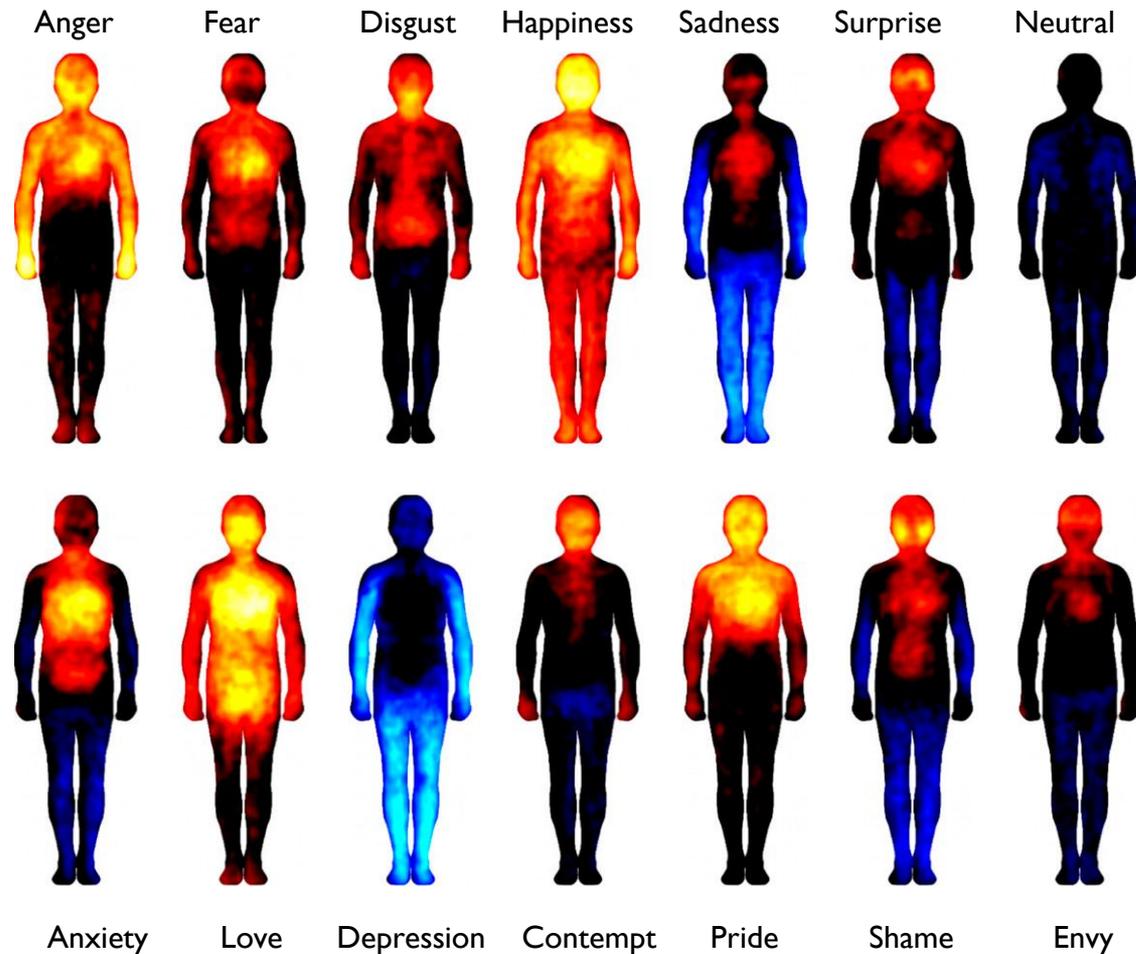


Emotional Implications

Flow diagram showing process of event appraisal

Therefore, there is an at least two-stage emotional response to many situations.

Body Map of Emotions



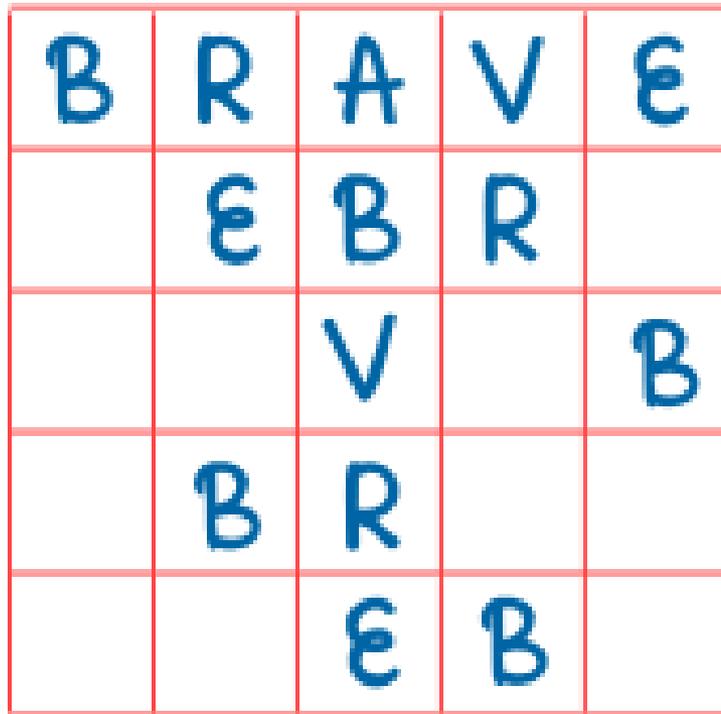
The body maps show regions whose activation increased (warm colors) or decreased (cool colors) when feeling each emotion.

Five Step Key to Understanding Emotions

1. Sensing	Noticing in your body that you are having an emotion/feeling
2. Naming	Choosing an accurate name for the emotion/feeling
3. Attributing	Making sense of what caused the emotion/feeling to happen
4. Evaluating	Checking in about how you feel about having the emotion/feeling
5. Acting	Deciding how to cope, use, or deal with the emotion/feeling

 Egan's Cognitive tool of WONDER

Meek, W. (2015) <http://www.willmeekphd.com>



B	R	A	V	E
	E	B	R	
		V		B
	B	R		
		E	B	

This square has eleven letters missing, which you have to replace.

Every row, column AND the main diagonals contain all the letters in the word "BRAVE".

Freddie

"It helped me by not discouraging myself, 'cause even if you get a bad mark well just drop it, and keep working and then yeah. Keep working with the math and never give up."

"OK well this, I feel very happy of myself and I like if I gathered all my work I bet you if I showed it to my Mum, my Mum would be half hysterical probably. 'Cause um I was very happy."

Courtney

"This term actually gave me some emotion to put into my math...Basically kids want to imagine different things and math can also now that I have learnt it, help them."

Jordan

"It helps 'cause we all, kids, like to day dream, and then teachers don't really want them to day dream during class, but while we were doing the imagination thing, it kind of lets you do that during class so that, so that it helps you think, because you can just sit there and think, the teacher would let you because that is the thing to do."

Courtney



6	\times =1	2×2 =4	3×3 =9	4×4 =16	5×5	1
	☾	6×6 =36	7×7 =49	☽	↗	
$1+1$ =2	$2+2$ =4	10	☆	17	$1-1$ =0	$2-1$ =1
$3+3$ =6	$4+4$ =8	☆	☆	☆	$3-2$ =1	$4-3$ =1
		29	☆	12		
	51	$1 \div 1$ =1	☆	$2 \div 2$ =1	⤴	
57	$3 \div 3$ =1	$4 \div 4$ =1	$5 \div 5$ =1	$6 \div 6$ =1	$7 \div 7$ =1	22
H	V	H	V	H	V	

"It kind of makes me feel sort of down because a, it's this weird feeling inside when you feel with your hands, because it is a mixture of feeling and sense. Like [pause]. It sort of makes me feel sort in the Dark Ages [laugh] because of the black and white and then the jagged sort of again because of points."



Thank You

Any follow-up questions or comments to...

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Find the Missing Number?

16	06	68	88		98
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What parking spot number is the car parked in?

86		88	89	90	91
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B	R	A	V	E
V	E	B	R	A
R	A	V	E	B
E	B	R	A	V
A	V	E	B	R