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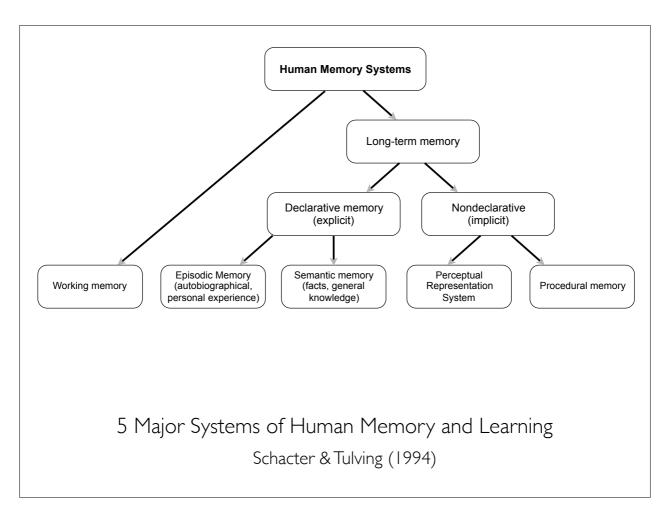
How and why people with Asperger syndrome think differently: Executive functions and the Asperger sense of time

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Theories of autism

- Theory of mind
- Weak central coherence
- Executive function
- Amygdala theory
- Enhanced perceptual functioning



Episodic memory weaker	Semantic memory relied upon for explicit thinking	Perceptual memory	Procedural memory
Personal experience	Facts, general knowledge	Raw sensory input	Repetition
Theory of mind, Executive function	One thing at a time, contextless	Being in the moment	Encoded routines
Central coherence	Focus on detail at expense of bigger picture	Enhanced perception	Automaticity
Abstract reasoning	Concrete, literal, black-&-white thinking	Holistic	(lay terms) muscle, tactile or kinaesthetic memory
Cognitive flexibility	Train-tracks thinking rigid, fixed thinking,	Sensory	
Relational memory	Single-item memory	Experiential	
Simultaneous processing	Rote memory, recall of discrete data and facts	Sense of familiarity	
Temporality: Subjective time judgements	Time measurement: clocks, calendars	Sensory sensitivities	
Prospective memory			
Source memory: context (location, time, affect)			
Mental time travel	Linear, serial, 'documentary style' first-hand memories		
Self-referential processing	Externally oriented thinking		
Subjective sense of self	Formulaic thinking, i.e., $a+b=c$		© 2017 Norris
autonoetic consciousness	noetic consciousness	anoetic consciousness	

Executive Functions

- Self-organisation
- Planning, sequencing
- Working memory
- Inhibition, impulse control, self-regulation
- Self-reflection
- Decision-making
- Time management
- Prioritising

- Understanding complex or abstract concepts
- Abstract thinking
- · Flexibility & adaptability
- Control of attention
- Generalising learning
- Relational thinking 'connecting the dots'
- · Theory of mind

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Time

- Aspies appear to have no sense of time passing
- Retrospective memory
- Prospective memory
- Changes over time
- Changing one's mind
- Growth
- Development
- Understanding
- The 'whiteboard effect' thinking stuck in time