

Y11 HT1 Language, thought and communication Knowledge Organiser



Key terms			Language, thought and communication	
Key Term	Definition	Piaget's theory	The Sapir-Whorf Hypothesis	Our view of the world
Schema	A mental framework of beliefs and expectations that influence cognitive processing. We are	We learn through developing schemas		
	born with some schemas but they develop in complexity with experience of the world.	(mental structures)	have no words for	1) Variations in recall of events
Sapir-Whorf	This theory believes that the language a person speaks has a great influence on the way they	, ,		Native Americans: The Hopi
hypothesis	think and perceive. The weak version says that language affects what we perceive and	Language depends on thought – thought	Thinking depends on language – language comes	Hopi don't distinguish past, present and future
	remember. The strong version says that language determines thought, and we are unable to	and understanding comes first, then		which affects the way they think about time.
	think about things we do not have the words for.	language	, ,	, ,
Animal communication	The exchange of information between animals within the same species using a variety of		Strong version – language determines thought –	Language affects recall of events
	signals. Some of these signals are vocal (involve sound) but some are visual or involve smell. A communication system unique to humans. It consists of a set of arbitrary conventional	Young children - can have language without	if you have no words for an object or idea then	Memory for pictures is affected by labels given
Language	symbols through which meaning is conveyed. These symbols can be combined in such a way	understanding but they will not be able to		(Carmichael et al)
	that an infinite number of novel messages can be produced.	use it effectively		,
Eye contact	When two people look at each other's eyes at the same time. Eye contact has a number of	,	Weak version – language influences thought –	
,	roles in communication such as regulating the flow of conversation, signalling attraction and	Development of language	words helps to 'carve up' the world. You can still	
	expressing emotion.	Sensorimotor 0-2 years – children start to		2) Variations in recognition of colours
Non-verbal	Exchanging information without using words. It includes eye contact and facial expression as	speak		Native Americans: The Zuni
communication	well as more general body language.	'	Which version is better? Weaker version is	Zuni have only one word for shades of orange
Verbal	The use of words as a way of expressing your thoughts and how you feel.	about things not present	preferred; we have limited memory for things	,
communication		Concrete operational 7-11years – children	<u> </u>	distinguishing them
Body language	The way in which attitudes and feelings are communicated to others through unspoken	develop their own ideas		
Classed pasture	movements and gestures.	·		Language affects recall of colour
Closed posture	Having arms and / or legs crossed is a closed posture which suggests that the person is in disagreement with what is being said, or is possibly annoyed.	Evaluation	Evaluation	Berinmo people had difficulty recalling colours
Open posture	A relaxed posture (without arms and / or legs being crossed) is an open posture which	Supporting evidence – the order of	Differences are exaggerated – Inuit culture may	as they only have five words for colour
open posture	suggests someone is listening in a social interaction and is in agreement with what is being	children's two-word phrases shows	have only two words for snow not twenty-seven,	(Robertson et al)
	said.	understanding	English has four	
Postural echo	A similarity or mirroring of body positions by people in a social interaction. Postural echo			
	tends to suggest that two people are getting on well and are friendly towards each other.	Language comes first - Sapir-Whorf	Thoughts come before language – if there is lots	
Culture	Refers to the beliefs or expectations that surround us. We are not conscious of living in a	hypothesis challenges Piaget suggesting	of snow then this changes the way we perceive	
	culture, just as a fish is not aware that it lives in water, yet it powerfully influences us.	that sometimes language comes first	the environment	
Gender	A person's sense of male or femaleness, including attitudes and behaviour of that gender.			
Personal space	An invisible portable 'bubble' that surrounds each individual. The size of the bubble depends	Stretch evaluation:		
Ctatus	on who we are with. Relating to the social or professional position. For example, a headteacher may have a higher	Schemas – these cannot be scientifically	Stretch evaluation:	
Status	status than a normal teacher in a school.	measured	Restricted and elaborated code – working-class	
Adaptive	Any physical or psychological characteristic that enhances an individual's survival and		children use restricted language which affects	
Αυαρτίνο	reproduction and is thus likely to be naturally selected. Such characteristics are passed on to		their ability to think, explaining lowers	
	future generations.		intelligence (Bernstein)	
Evolutionary theory	Explains how species have adapted to their environment over millions of years. Behaviours			
	that increase chances of survival and most important, successful reproduction, are naturally			
	selected and passed onto the next generation.			
Innate	Literally means 'inborn', a product of genetic factors.			
Neonates	The name given to new born babies.			
Sensory deprived	Describes an animal or human who does not have a particular sensory ability, such as hearing			
Emoticon	or seeing. This word is a combination of 'emotion' and 'icon'. It is a non-verbal way of expressing mood			
Emoticon	or emotion within written communication such as a text or an email.			
	or emotion within written communication such as a text of an email.			



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Human and ar	nimal communication	Non-verbal communication			
Von Frisch's bee study (Key study)	Human versus animal communication	Eye contact	Body language	Personal space	
Changed the way scientists thought about animal		When two people look at each other's eyes at the	Communication through unspoken	The distance we keep between	
communication	Functions of animal communication	same time	movements and gestures	ourselves and others	
	Survival (enhances survival of the individual and the			0 1: 1 1:55	
Aim – to describe the dances of honey bees to	group)	Function	Open and closed posture	Cultural differences	
understand their communication	Vocal sounds – Vervet monkeys communicate danger with an alarm call	1)Regulate flow of conversation - participants look away when they are about to speak and	Closed – crossing arms/legs, shows disagreement	Sommer- English peoples personal space is 1-1.5m whereas Arabs' is less	
Method – put food close to hive (10-20 metres) and	Visual signs – rabbits lift tail, pin ears back and leap	have prolonged gaze when they are about to	Open – uncrossed, shows acceptance	Arabs liked Englishmen better if they	
far away (up to 300 metres).	forward	finish	McGinley – arguments given by person	stood closer	
Observed bees 6000 times over 20 years			with open posture led to greater opinion		
- II	Reproduction	2)Signalling attraction	change then closed posture	Gender differences	
Results –	Peacocks stretch out their feathers like an umbrella to	People who use eye contact are judged as more		Fisher and Bryne – women feel most	
Round dance – moving in a circle to show pollen less	communicate genetic fitness	attractive	Postural echo	comfortable when personal space	
than 100 metres away	Torritory	2)Evaracsing amotion	Copying each other's body position	invaded from the side, for men it is	
Waggle dance – figure of eight shape points direction of food		3)Expressing emotion	Tanner and Chartrand – participants	from the front	
60% of bees went to sources at the distance	Rhinos leave piles of dung to communicate territorial boundaries	Participants judged emotions as more intense if faces were looking straight at them	rated new drink more highly when presented with postural echo	Status differences	
indicated by the dances	boundaries	laces were looking straight at them	presented with postural echo	Zahn – people with similar status	
indicated by the dances	Food		Touch	stand closer than those of unequal	
Conclusion – sophisticated communication system	Ants leave pheromone trail to communicate food source		Includes high fives, slapping etc	status	
Sopristicated communication system	Transferve pricromone train to communicate rood source		Fisher – if librarian touched student on	Status	
Evaluation			hand when returning books, the librarian		
Scientific value – opened eyes to capabilities of	Properties of human communications not present in		was judged more positively		
animals	animal communication		, , , , , , , , , , , , , , , , , , , ,		
	(in other words, how animal and human communication				
Sounds matter too – dances performed in silence	differs)				
ignored					
	Plan ahead and discuss future events				
Stretch evaluation:	Humans can discuss things that are not present or haven't				
Other factors are important – bees do not respond					
to waggle dance if they have to fly over water	Animals are focussed on present e.g. food sources and				
	predators				
	Creativity				
	Humans have an open system combining many words				
	together				
	Animals have a closed system using communication for				
	specific events				
	Single versus multiple channels				
	Human language expressed using many channels – spoken,				
	written, sign language, social media				
	Animals tend to communicate with a single channel e.g.				
	pheromones				



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Explanations of non-verbal behaviour

Evolutionary theory of non-verbal behaviour

Darwin and evolution

The theory of natural selection – genes for behaviours that promote survival are passed onto the next generation

Non-verbal communication as evolved and adaptive

NVC evolved in animals to express emotion

Baring teeth is adaptive as it reduces death in conflict and therefore protects the survival of the individual and the group

Comparisons with human behaviour

In our distant ancestors opening eyes widely was adaptive because they could see route to safety more easily. This behaviour has been passed down to humans and continues to express surprise.

Serviceable habits

Behaviours used by ancestors to promote survival. Still used by humans but may not serve same purpose

Evaluation

Research into facial expressions – Ekman found six emotions in all cultures, so must be innate

Research into newborns – babies are born with ability to use eye contact and smile which suggests these NVCs are innate and evolved

Cultural differences in NVC – cultural differences in NVC such as personal space mean evolutionary theory cannot explain all NVC

Non-verbal behaviour - innate or learned?

Evidence that NVC is innate

Neonate research

If NVCs displayed by newborn babies this suggests the behaviour is innate

Social releasers

Certain neonate behaviours (e.g. smiling) makes others want to provide care, therefore they are adaptive

Facial expressions

Neonates display an expression of disgust when given sour tastes (citric acid) suggesting it is innate

Sensory deprived

Thompson found blind children show similar facial expressions to sighted children – suggesting NVC is innate as they will not have been able to see someone displaying these signs

Evidence that NVC is learned

Cross-cultural research

Comparing behaviours from different cultures shows if they are learned

Contact versus non-contact cultures

Contact countries: Mediterranean and Latin American prefer smaller personal space

Non-contact cultures: UK and USA prefer larger space

Gestures

Pointing index finger is offensive in Hindu culture

Explaining cultural differences

Social learning theory – observe other people in your culture and imitate (people learn what gestures are ok)

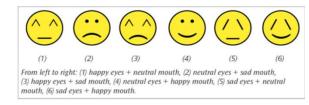
Yuki's study of emoticons (Key study)

Comparing cultural understanding of non-verbal behaviours can show whether it is universal or learned

Aims – to find out if there is a difference in the interpretation of emoticons in Japan and America

Method – 6 emoticons shown with different combinations of eyes and mouths (sad, happy, neutral)

Participants rated faces in terms of happiness expressed on a 9 point rating scale



Results -

Japanese – higher happiness rating for happy eyes than Americans Americans – higher happiness rating when mouths were happy even with sad eyes

Conclusions – cultural differences in the way emotion is interpreted in facial expressions. Japanese may use eyes because cultural norms lead to hiding emotions but hard to control the expression from the eyes .

Evaluation

Artificial materials – emoticons leave out features such as wrinkle lines which may be important when judging emotion

However, follow up study found same results with real faces

Only tested one emotion

In everyday life faces express a range of emotions not just happy and sad

Stretch evaluation:

Using rating scales

Emotions are very complex and rating scales reduce emotions to a single score