

**Table 1:** Byrne and Whiten's (1990) functional taxonomy of tactical deception adapted for human infants and toddlers

Byrne and Whiten (1990) Categories and Sub-categories	Categories for human infants and toddlers	Ages and examples from human infants and toddlers (from Reddy, 1991, 1998; Dunn, 1988; Newton, Reddy & Bull, 2000 and personal observations)
<b>CONCEALMENT</b> (of something from another)		
By silence		doing forbidden things quietly – no clear data
<b>By hiding</b>	<b>Passive Hiding</b> from other's view: Waiting until moment parent leaves room to engage in forbidden activity.	<b>8 / 9 m.</b> Waiting until other leaves room before rushing to forbidden activity. Eating cheese plant., pulling curtains, etc. (R, 1991, 1998)
	<b>Active Hiding</b> from other's view: Turning the back or using body to screen forbidden activity or object from other's view.	<b>16 m</b> Turning back so that body screens forbidden object or activity from view (Pers. Obs) <b>18 m</b> Going behind the settee to engage in forbidden activity (pulling at stitches) (D, 1988)
	<b>Verbal Denial</b> of misdemeanour or forbidden activity or object.	<b>2+ years.</b> 'What have you got behind your back?' 'Nothing', several examples (N, R & B, 2000)
By inhibiting interest in object		
<b>By ignoring</b>	<b>Ignoring other's calls</b> with stiffened and still body	<b>9 m/ 11m</b> 'Pretending not to hear' 'pretending to be deaf' when called (either because they are engrossed in a toy, or because doing something forbidden) but holding the body so still and not even turning to the sound, that it looks clearly motivated (R, 1991, 1998)
<b>By hiding an object</b>		<b>11 m.</b> Unexpectedly hiding the ball under own legs in a game when expected to roll it back, looking at mother and laughing. Not a prior game (R, 1998)
<b>DISTRACTION</b> (of the other's attention away from a certain spatial locus thus attaining goal at that locus)		
<b>By Calling</b>		<b>17.5 m.</b> Calling M to look at dog in order to repeat playful throwing of gloves (Sully, 1896, in D, 1988)
By Looking		
By Threat		
By Leading		
<b>By Close-range behaviour</b>	<b>Holding the other's eyes</b> while engaging in forbidden activity.	<b>11 m/ 13 m</b> Staring the other out, while performing the forbidden act in surreptitious manner, two examples (R, 1998)
By acquired signing		
<b>ATTRACTION</b> (of the other to a certain spatial locus and thus attaining goal at that locus)		
<b>By Calling</b>	<b>Fake Crying</b> (the spatial locus is the self)	<b>8 m/ 9 m</b> Using cries to 'call' the other, with the cries themselves identifiable as 'fake' with non-distressed 'waiting for response', several reports (R, 1991, R, 1998)
By Looking		
By Leading		

<b>By Close-range behaviour</b>	<b>Fake Laughing</b> (the spatial locus is the self)	<b>6 m / 7 m +</b> Laughing in an 'artificial' manner when overhear other laughing, in 'order to join in' with them, be part of a group, several reports (R, 1991, R, 1998, pers. obs)
<b>CREATING AN IMAGE</b> (which conceals the agent's intentions and facilitates attainment of goal. It may be):		
<b>Neutral</b> (to appear of little or no significance to other; e.g., suppressing aggression or 'smiles')	<b>Feigning innocence/ ignorance</b>	<b>11m</b> When caught approaching forbidden soil in house plant, waving / scooping hand up, as if pretending not really going to touch it; repeated several times, single report (R, 1998) <b>30 m.</b> 'What's happened to this? I don't know'. 'I don't know who messed it (the tidy room) up' several reports (N, R & B, 2000) <b>33 m.</b> pretending to clean paint off the TV (to be allowed to remain there) (D, 1988)
	Suppression of Expression	<b>18 m</b> Suppression of smile in embarrassment at being seen unexpectedly by large audience or being asked to perform in front of audience (pers. obs)
<b>Affiliative</b> (to appear to increase affiliation with other; e.g., offer of grooming or of hand before rapid change of action)	<b>Feigning offer (Playful)</b> of object or of self before withdrawing rapidly	<b>9 m +</b> After evidence of successful offer and release skill, offering and rapid withdrawing of object, several examples around this age and later (R, 1991, 1998) <b>11 m</b> On request to 'come to me' putting hands out to go, then backing off and laughing – a regular game, not shy, and not with new people only, also with M, F, Gm, 'just pretending' single example at this age (R, 1998)
	<b>Feigning request (Playful)</b> of object, only to refuse it on receipt, then repeating immediately	<b>11 m</b> Requesting the juice while M doing something else, then refusing it when given, and repeated a few times until M noticed and saw he was looking at her with half smile, single example (R, 1998)
	<b>Pretend injury</b> (seeking sympathy for self or privilege)	<b>18 m / 24 m</b> Claiming foot injury "hurt, hurt" following elder sib's injury. (pers. obs); 'I've got a bellyache' <b>21 m.</b> "Cack" (lying down and gesturing, seeking bath, D, 1988 <b>11m, 33 m.</b> Pretend cry when told off (R, 1998, D, 1988)
<b>Threatening</b> (to appear to show a threat to the other)	<b>Feigning misdemeanour/ non-compliance (Playful/ Attention seeking)</b>	<b>9 m</b> Pretending going to touch something, not actually wanting to touch it, flicking finger on hot tea cup, etc. Several examples. (R, 1998); <b>11 m</b> Pretending to take bite out of cardboard box ; pretending to bash TV ; 'almost touching' plant in friend's house (R, 1998); pretending to touch cooker (pers. obs); <b>3 yrs</b> 'I'm going to write on the floor....only joking' (N, R & B, 2000)
	<b>Feigning error (Playful)</b>	<b>11 m</b> Calling M 'Daddy' (R, 1998) <b>2.5 yrs</b> 'I dun wee wee here on the wall' ( 'It's (the bedroom) there, it's there!' (pointing to the bathroom and grinning); pointing to all the wrong drawers, asking where the pyjamas are, deliberately pretending not to know where they are, and avoiding the one M was verbally indicating. N, R & B, 2000)
<b>Self competence</b>	<b>'Didn't hurt' bravado.</b> Denial of pain following smacking for misdemeanour or injury upon doing forbidden act	<b>2.5 yrs.</b> "That didn't real hurt!", several examples (N, R & B, 2000)

	<b>'Don't care' bravado.</b> Denial of desire for (desired but denied) object. Denial of fear for threatened (frightening) object.	<b>2.5 yrs.</b> 'I didn't want it anyway'; 'I don't care, I been playing with it all day' (N, R & B, 2000)
	<b>False boasts.</b> Claiming possession of object or skill which isn't true.	<b>3 yrs.</b> 'I got one of them too', several examples (N, R & B, 2000)
	<b>Denial of error</b> by pretending original action was different, by trying to alter current reality	<b>2.5 yrs.</b> 'My other Daddy's upstairs'; 'I said we'll pick her up <i>later</i> that's what I said'; 'And I've got to put the bowl on the table <i>quietly</i> '; 'That were me making the noise (not the bowl)' (N, R & B, 2000)
<b>DEFLECTION</b> (diverting a threat onto an innocent third-party. May include distraction but goes further to divert an attack, not just attention)	<b>False blame</b>	<b>2.5 yrs.</b> 'Someone else, not me'. 'Carol did it' several examples (N, R & B, 2000, D, 1988) <b>3 yrs.</b> False accusation of 3 <sup>rd</sup> person to justify self fantasy (D, 1988)
<b>USING A SOCIAL TOOL</b> (manipulating a third-party in order to deliberately influence the other)		
Tool deceived		
<b>Target deceived</b>	<b>False promise</b> about future act with an object (a physical rather than social tool)	<b>2.5 yrs.</b> 'No .. I won't do it again (if you give it to me)' (N, R & B, 2000)
<b>Tool and target deceived</b>	<b>False permission-assertion</b> (by another authority figure)	<b>2.5 yrs.</b> 'Daddy said I could' 'Dad said yes, but ask you as well'.; 'Mum lets me walk here' several examples (N, R & B, 2000)
<b>COUNTERDECEPTION</b> (reducing the success of the other's tactical deception; may or may not involve countering deception with deception)	<b>'Before she tricks me, I'm going to trick her'</b>	

**Table 2.** Parallels and Continuities in True and False Informing, Expressing and Gesturing

AGE IN MONTHS	‘True’ informing, ‘true’ expressing and ‘true’ intentional gestures	‘False’ informing, ‘false’ expressing and ‘false’ intentional gestures <i>Concealment or inhibition of ‘information’</i>
9 -10	Shaking head to refuse (Bates et al, 1976) Offering objects and giving	‘Fake’ expressions, gestures, passive hiding of actions
11-12	Informative Pointing (Liszkowski et al, 2005) Giving novel object to surprised adult (Tomasello & Haberl, 2003)	Mis-naming, pretend misdemeanour (intentions) ‘holding the eyes’ to obscure actions, suppressing response
14	Correcting communicative misunderstanding (Golinkoff, 1983, 1986)	
16-20	Distinguishing true and false statements (Pea, 1982; Hummer, Wimmer & Antes, 1993) Rejecting false informants (Baldwin & Moses, 2001) Selective informing about object existence and object features to ignorant others (Reddy & Simone, 1995) Correct verbal contradictions about reality (Dunn, 1988)	Feigning injury, feigning dirty nappy, Active hiding (turning body, going behind screen), Smile suppression in (embarrassment)
30	Selection of information about object location to ignorant others (O’Neill, 1996)	False blame, False permission , False promise, Ego-defensive false information, False information about reality
36	Spontaneous information when other has a false belief (Teerwogt, Rieffe, Tuijn, Harris & Mant, 1999)	