**Theoretical Applications in Children and Youth Information Behavior Research: 1999-2009**

**Bilal, Dania**. School of Information Sciences, University of Tennessee, 1345 Circle Park Drive Suite 451, Knoxville, TN 37919. USA | dania@utk.edu

**Appendix**

Name and frequency of theories and models applied as frameworks in CYIB published journal articles and authors of theories and/or researchers who applied them.

|  |  |  |  |
| --- | --- | --- | --- |
| **Theory/Model** | **Frequency** | **Discipline** | **Use of theory/model by authors** |
| Information searchprocess (ISP) model | 15 | LIS | Carol C. Kuhlthau (1999) |
| Guided Inquiry model | 3 | LIS | Carol C. Kuhlthau, Leslie K. Maniotes, Ann K. Caspari (2007) |
| Self-determination theory | 3 | Psychology | Edward Deci & Richard M. Ryan (1985) |
| Sense-making theory | 3 | Communication | Benda Dervin  |
| Big 6 model | 2 | LIS | Michael B. Eisenberg & Bob Berkowitz (1990) |
| Cognitive Evaluation Theory | 2 | Psychology | Edward Deci & Richard M. Ryan (2002)  |
| Cognitive theory | 2 | Psychology | Seymour Papert (1999) |
| Competency theory (Dunning–Kruger effect) | 2 | Psychology | David Dunning & Justin Kruger (1999) |
| Five-factor personality model | 2 | Psychology | Robert R. McCrae (2000) |
| Hans-Georg Gadamer's conceptualization of "play" | 2 | Philosophy | Joel Hans-Georg Gadamer (2004) |
| Imposed query model | 2 | LIS | Melissa Gross (1995) |
| Information use environment | 2 | LIS | Robert Saxton Taylor (1991) |
| Organismic Integration Theory | 2 | Psychology | Richard M. Ryan & Edward L. Deci (2000a,b) |
| Small World | 2 | LIS | Elfreda Chatman (1991, 1996) |
| The PLUS (purpose, location, use, self-evaluation) model | 2 | LIS | James E Herring (1996). |
| Urban teen development | 2 | LIS | Denise E. Agosto & Sandra Hughes-Hassell (2006) |
| 11 developmental tasks of adolescence | 1 | Education | Robert J. Havighurst (1972) |
| 3S-model | 1 | Cognitive Psychology | Teun Lucassen & Jan Maarten Schraagen (2011) |
| ACRL Framework for Information Literacy | 1 | LIS | Association of College and Research Libraries (2015) |
| Actor network theory | 1 | Sociology | Lee Nick (2005) |
| Artifact-centric activity theory | 1 | Mathematics education | Silke Ladel & Ulrich Kortenkamp (2016) |
| Attention–selection–organization–integration–monitoring model | 1 | Educational Psychology | Richard E. Mayer (1996). |
| Barriers to information | 1 | LIS | Patricia Dewdney & Roma Harris (1994) |
| Berrypicking model | 1 | LIS | Marcia J. Bates (1989) |
| Bourdieu's social theory | 1 | Sociology | Pierre Bourdieu & Loïc J. D. Wacquant (1992) |
| BRAQUE model | 1 | LIS | Nicholas Belkin, Pier Giorgio Marchetti, Colleen Cool (1993) |
| Capacity model | 1 | Psychology | Shalom M. Fisch (2000) |
| Child development theory | 1 | Psychology | Jean Piaget; many other authors are cited |
| Cognitive affective engagement model | 1 | Educational psychology | Alexander List & Patricia A. Alexander (2017) |
| Cognitive ethnography | 1 | Anthropology | Edwin Hutchins (1995) |
| Cognitive load theory | 1 | Cognitive Science | John Sweller (1988). |
| Cognitive theory of multimedia learning | 1 | Cognitive science | Richard E Mayer (2009). |
| Communication Privacy Management (CPM) theory | 1 | Communication | Sandra Petronio (2002, 2013) |
| Concept mapping | 1 | Learning science | Joseph D. Novak (1998) |
| Concept of levels of meaning | 1 | Art | Erwin Panofsky (1995, 1982) |
| Construct of metacognition | 1 | Psychology | John Flavell (1976)  |
| Constructionism | 1 | Educational philosophy | Andrea A. diSessa & Paul Cobb (2004)Idit Harel & Seymour Papert (1991)Seymour Papert (1980) |
| Contextual Inquiry | 1 | HCI | Hugh Beyer & Karen Holtzblatt (1999) |
| Cooperative Inquiry | 1 | HCI | Allison Druin (1999) |
| Cultural geography | 1 | Geography | Cosgrove Denis (2000) |
| Cultural-historical activity theory | 1 | Psychology | Lev Vygotsky (1978)Aleksei Leontiev (1978) |
| Developmental theory | 1 | Psychology | Lev Vygotsky (1978) |
| Differential association theory | 1 | Sociology | Edwin Sutherland (1947) |
| Diffusion of innovations | 1 | Communication | Everett M. Roger (2003) |
| Dimensions of tasks | 1 | LIS | Iris Xie (2009) |
| Ecological theory | 1 | Ecology | Kirsty Williamson (1995, 1998) |
| Entwistle’s model of personality | 1 | Educational Psychology | Noel Entwistle (2001) |
| Ethnomethodology theory | 1 | Sociology | Stephen K. Hester & David Francis (2000) |
| Everyday life information seeking (ELIS)  | 1 | LIS | Reijo Savolainen (1995) |
| Faceted approach of information seeking | 1 | LIS | Yue-lin Li & Nicholas J. Belkin (2008) |
| Five pillars for evaluating SEs retrieval effectiveness | 1 | LIS | Dirk Lewandowski (2012) |
| Framework of health literacy | 1 | LIS | Leena Paakkari & Olli Paakkari (2012) |
| Framework of image attributes | 1 | LIS | Corinne Jorgensen (2003) |
| Framework of random walks on the click graph | 1 | IR | Nick Craswell & Martin Szummer (2007) |
| Framework of psychological relevance | 1 | Psychology | Stephen P. Harter (1992) |
| Framework of reading-to-write | 1 | Education | Nancy Nelson Spivey (1979) |
| Goffman's frame analysis | 1 | Sociocultural | Erving Goffman (1974) |
| Help-seeking theory | 1 | Educational psychology | Stuart A. Karabenick & Richard S. Newman (2006) |
| Human information behavior model | 1 | LIS | Thomas D. Wilson (2000) |
| i-Competent IL model | 1 | LIS | Schubert Foo, Yun-Ke Chang & Mian Shaheen Majid (2014) |
| Independent model of reading skills | 1 | Education | Donald J. Leu, Jill Castek, Douglas K. Hartman, Julie Coiro, Laurie A. Henry, Jonna M. Kulikowich, Stacy Lyver (2005) |
| Information gatekeeper | 1 | LIS | Cheryl Metoyer-Duran (1993)John Agada (1999)Yan Lu (2007) |
| Information grounds | 1 | LIS | Karen E. Fisher & Charles M. Naumer (2005) |
| Information literacy | 1 | LIS | Christine Bruce (1997) |
| Information literacy practices | 1 | LIS | Louise Limberg, Olof Sundin & Sanna Talja (2012) |
| Information processing theory | 1 | Psychology | Kail Robert (1991) |
| Inquiry project-based learning (PjBL) | 1 | LIS | Violet H. Harada, Carolyn Kirio & Sandy Yamamoto (2008) |
| Internet and knowledge gaps framework | 1 | LIS | Heinz Bonfadelli (2002) |
| Item response theory (IRT) | 1 | Educational Psychology | Rafael Jaime De Ayala (2010) |
| Learning theory | 1 | Psychology | Mark K Smith (1999) |
| Media system dependency theory | 1 | Communication | Sandra Ball-Rokeach (1985) |
| Mediation model of reading skills | 1 | Education | Johannes Naumann, Frank Goldhammer & Nina Jude (2009).Johannes Naumann, Tobias Richtera, Ursula Christmannb & Norbert Groebena (2008) |
| Model of creativity | 1 | Psychology | Ellis Paul Torrance (1966, 1974) |
| Model of decision-making | 1 | Communication | Vincent A. Harren (1979) |
| Model of digital skills | 1 | Communication | Jan van Dijk (2005) |
| Model of general reading engagement | 1 | Education | John T. Guthrie, Allan Wigfield & Wei You (2012)  |
| Model of Information Problem Solving | 1 | Learning Science | Saskia Brand-Gruwel, Iwan Wopereis & Amber Walraven (2009) |
| Model of integrating multiple texts | 1 | Education | Sarit Barzilai, Asnat R. Zohar & Shiri Mor-Hagani (2018) |
| Model of learning-related information behaviour | 1 | LIS | Nigel Ford (2004) |
| Model of narrative recursion | 1 | Linguistic anthropology | Elinor Ochs & Lisa Capps (2001) |
| Model of second level divides | 1 | Economics | Ellen Helsper (2008)Sonia Livingstone & Ellen Helsper (2007) |
| Model of the everyday life information needs | 1 | LIS | Denise E. Agosto & Sandra Hughes-Hassell (2006) |
| Moral stage theory | 1 | Psychology | Kohlberg Lawrence (1984) |
| Multi-component model for evaluating web-based learning tools. | 1 | Education | Robin Kay & Lennart Knaack (2008) |
| Naturalism | 1 | Sociology | Norman K. Denzin (1973) |
| Ngo's model for evaluating interface aesthetics | 1 | HCI | David Chek Ling Ngo, Lian Seng Teo & John G. Byrne (2003) |
| Normative behavior | 1 | Sociology | Elfreda Chatman (2000) |
| Precision @10 | 1 | LIS | Dania Bilal (2012) |
| Parental knowledge theory | 1 | Developmental psychology | Margaret Kerr & Hakan Stattin (2000). |
| Parental mediation theory | 1 | Communication | Lynn Schofield Clark (2011) |
| Participatory Design Model | 1 | HCI | Erran Carmel, Randall D. Whitaker & Joey E George (1993) |
| Preparing, searching, using (PSU) model | 1 | LIS | Valerie Nesset (2013) |
| Principles of everyday information behavior | 1 | LIS | Roma Harris & Patricia Dewdney (1994) Donald O. Case (2007) |
| Problem-solving model | 1 | LIS | Thomas D. Wilson (1981, 1999), |
| Psychological approach design theory | 1 | Psychology | Charles Crook (1991) |
| Radical change theory | 1 | LIS | Eliza T. Dresang & Kyungwon Koh (2009) |
| Relevance theory | 1 | LIS | Dan Sperber & Deirdre Wilson (1986) |
| Rhetorical structure theory | 1 | IS | William C. Mann & Sandra A. Thompson (1987) |
| Search process model | 1 | LIS | Gary Marchionini (1997) |
| Second-level digital divide | 1 | Communication | Eszter Hargittai (2002) |
| Selection–Organization–Integration model for text comprehension | 1 | Educational psychology | Richard E Mayer (1996). |
| Self-efficacy theory | 1 | Psychology | Albert Bandura (1986) |
| Shannon and Weaver ‘s information theory model | 1 | Communication | Claude Shannon and Warren Weaver (1949) |
| Six contemporary learning abilities (6-CLAs) | 1 | LIS | Rebecca Reynolds & Idit Harel Caperton (2009) |
| Social constructionism | 1 | Psychology | Tom Andrews (2012) |
| Social Domain Theory | 1 | Psychology | Elliot Turiel (1983) |
| Social learning theory | 1 | Psychology | Albert Bandura (1993) |
| Social learning theory | 1 | Sociology | Ronald L. Akers (2011) |
| Social Network Theory | 1 | Sociology | Leah A. Lievrouw (2009) |
| Socio-constructivist theories on teaching and learning | 1 | Sociological | David Jonassen (1999) |
| Sociocultural Perspectives (Neo-Vygotskian) | 1 | Psychology | 1. Roger Säljö (2000)2. James Wertsch (1998) |
| Sociocultural theory | 1 | Sociology | John Dewey (1963)Lev Vygotsky (1978) |
| Sociocultural view of learning | 1 | Sociology | Roger Säljö (1999, 2010)Lev Vygotsky (1978) |
| Stages of human development | 1 | Psychology | Jean Piaget (1969) |
| Stages of Psychosocial Development | 1 | Psychology | Erik Erikson (1963) |
| Super3 model | 1 | LIS | Michael B. Eisenberg & Laura Eisenberg Robinson (2007) |
| Systems model | 1 | LIS | Petia Sice (2009) |
| Task characteristics | 1 | LIS | Soojung Kim & Dagobert Soergel (2005) |
| The construct of metacognition | 1 | LIS | John Flavell (1979) |
| The EXIT (extending interactions with text) model | 1 | LIS | David Wray & Maureen Lewis(1995) |
| Theories of bounded rationality and satisficing | 1 | Psychology & economy | Herbert A. Simon (1955, 1956) |
| Theories of social capital | 1 | LIS | Michael Woolcock & Deepa Narayan (2000) |
| Theories of young people’s internet use | 1 | LIS | Viviana Rojas, Debasmita Roychowdhury, Ozlem Okur, Joe Straubhaar & Yinan Estrada-Ortiz (2001) |
| Theory of aesthetic preference | 1 | Psychology | Daniel Berlyne (1971) |
| Theory of embodied cognition | 1 | Cognitive psychology | George Lakoff & Rafael E. Núñez (2000) |
| Theory of generational identities | 1 | Sociology | Karl Mannheim (1952) |
| Theory of practice | 1 | Sociology | Theodore Schatzki (2002) |
| Theory of practice architectures | 1 | Sociology | Annemaree Lloyd (2010) |
| Theory of ranking and intellectual relevance judgment | 1 | LIS | Tefko Saracevic (2007) |
| Theory of social capital | 1 | Sociology | Pierre Bourdieu (1985) |
| Theory of social interaction | 1 | Sociology | Herbert Blumer (1969) |
| Theory of socialization | 1 | Sociology | Eleanor E. Maccoby (2007)Grusec, Joan E. & Davidov, Maayan (2007) |
| Three-dimensional theory of mastery | 1 | Psychology | Meichenbaum, Donald & Biemiller, Andrew (1998) |
| User-centered design paradigm | 1 | HCI | Gregory B. Newby (2001) |