

Information competence

- Aim
 - Identify
 - representation system and
 - correspondence issues
- for your Assignment 1
 - Determine the level of mastery of these goals according to
 - Externalisation of representatons
 - Externalisation of correspondence models
- Literature
 - Textbook chapter 6

1

Areas of competence

- Technology
 - User interface, functionality
- Information
 - which represents the domain
- Tasks in a work practice
 - Tasks in a practice where the IT is going to be used

2

Information

KARLSTAD	KARLSTAD
Armchair	Three-seat sofa with long cover
£239	£339

Domain



Information technology

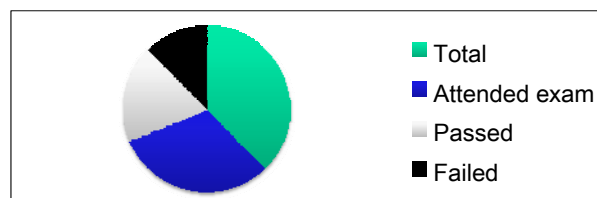


Tasks

3

Observed weaknesses in user competence

- Enter a blank line between all paragraphs in order to have some space in between them
- Having learnt about mechanisms for co-authoring
 - Do not see their relevance when sending drafts to each other with inconsistent updating
- Writing personal characteristics in e-mails and blogs
 - Not realizing that it might be used against you
- Producing pie charts like this one:



4

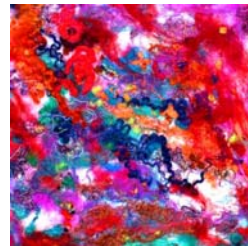
Information

- About something
- Representing it
 - Detached in time and space from what it is representing
- Expressed in a representation system

Information



No information



5

Representation system

- Conventional rules
- Coupling a domain to a set of symbols
- A symbol can represent aspects of the domain
 - Meaning
- Symbols can be combined
 - Combined meaning
- Examples
 - Language
 - Formal language
 - Arabic number system
 - Roman number system

6

Representation systems

Group
Publisher
Title
Check digit

ISBN 817525766-0

EAN
Group
Publisher
Title
Check digit

9 788175 257665

International Standard Book Number

East Asian scripts

JP	KR	TL	VN	RC	MPS	MAS	ID	BM
ア	아	01	0	阿	Y	a	a	아
イ	이	02	0	英	E	o	o	어
ウ	우	11-0	0	和	W	e	e	우
エ	에	10	e	協	H	o	o	에
ウイ	이위	071	a1	味	W	a1	a1	이위
ウイ	이위	10-0	e1	味	W	e1	e1	이위
ウイ	이위	072	a0	高	K	au	au	이위
ウイ	이위	102	u	高	X	ou	ou	이위
ウイ	이위	073	ah	三	W	an	an	이위

Train timetable symbols

Date and Time Symbols

- a Arrival time.
- d Departure time.
- p Previous night.
- s Stops to set down only.
- u Stops to pick up only.
- x Stops on request. Customs inform the on-train staff, pr

○ chain (ch)
∧ slip stitch (ss or sl st)

† US double crochet (dc)
UK treble crochet (tr)

..and another useful stitch
+ US single crochet (sc)
UK double crochet (dc)

Crochet notation

CHORD SYMBOLS

C7 MELODY F

(W - KI - PE - DI - A) LYRIC

Musical notation

7

Externalisation of representations – levels of mastery

Reproduction skills

Reproduce the symbols of the system

Gagné-Briggs' model → **Gagné-Briggs' model**

Representation system skills

Correct representations which break the rules

Gagné-Briggs' model → **Gagné-Briggs's model**

IT conceptual understanding

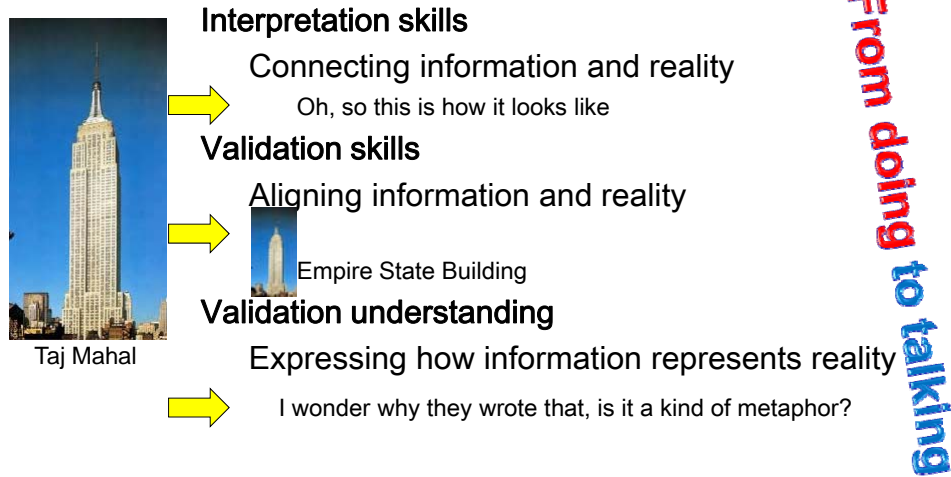
Explain the rules and how they apply

Gagné-Briggs' model → **Gagné-Briggs's model**
because the final s is only omitted after a plural s

From doing to talking

8

Externalisation of correspondence – levels of mastery



9

Exercises, p 65

3
1
2

10