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Using test specifications to inform teaching

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Assessment
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Starting point

- A lot of effort is invested in largescale, high-stakes tests
- A great deal of research is carried to support the uses and interpretations
- If a test is well-designed, it will be targeting a clear and coherent construct



Cautions

- BUT....
- Short are medient versions of standardized tests in formative assessment



Teaching to the test



Teaching to the construct





- Green (2007)
- Intensive IELTS preparation classes did not result in higher test scores, compared to groups doing a wider range of EAP tasks

Teach to the construct

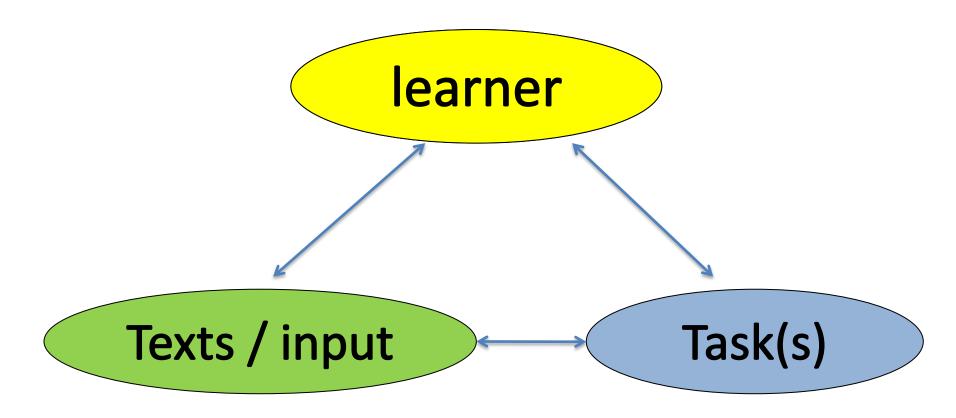


- We need to deconstruct the test tasks
- We need to understand what is being targeted by these tasks
- What is the construct?



- We can use the tools that have been developed to build well-designed test tasks
- We can take these tasks apart, break them down to understand what parts might be useful in the classroom







- We need standards, benchmarks, proficiency scales to provide a clear framework to describe the language ability we want students to achieve
- The CEFR is our starting point

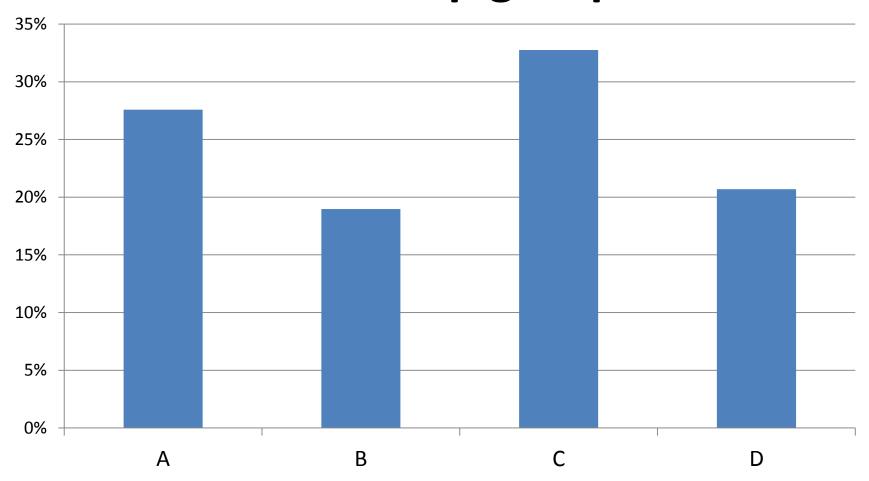


Familiarity with the CEFR

- A) I had read the CEFR and was familiar with its aims and contents, including the Common Reference Levels.
- B) I was familiar with the aims of the CEFR, but had not studied it in detail.
- C) I had heard of the CEFR but was not familiar with its aims or contents.
- D) I had not heard of the CEFR.



Familiarity with the CEFR: workshop group





The CEFR is NOT....

❖ A test, or tests



- the CEFR is useful for developing tests, and setting learning goals, but the CEFR does not say what kind of tests are should be used
- Just a proficiency scale or can-do statements
 - ➤ It is a 9-chapter, 290-page book
- A set of rules or fixed ways of teaching or testing



Is it useful: Goals of the CEFR

	E	F	R
L	E۱	/E	EL

C₂

C1

B2

B1

A2

A1

3 key goals from the blue book:

[Provide] a common basis for the elaboration of language syllabuses, curriculum guidelines, examinations, textbooks, etc. across Europe.

Define] levels of proficiency which allow learners' progress to be measured at each stage of learning and on a life-long basis.

[Facilitate] the mutual recognition of qualifications gained in different learning contexts



Familiarity with the CEFR

"At the heart of the CEF are the Common Reference levels."

(Morrow, 2004)

C2

Can understand with ease virtually everything heard or read. Can summarise information from different spoken and written sources, reconstructing arguments and accounts in a coherent presentation. Can express him/herself spontaneously, very fluently and precisely, differentiating finer shades of meaning even in more complex situations.

C1

Can understand a wide range of demanding, longer texts, and recognise implicit meaning. Can express him/herself fluently and spontaneously without much obvious searching for expressions. Can use language flexibly and effectively for social, academic and professional purposes. Can produce clear, well-structured, detailed text on complex subjects, showing controlled use of organisational patterns, connectors and cohesive devices.

B2

Can understand the main ideas of complex text on both concrete and abstract topics, including technical discussions in his/her field of specialisation. Can interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible without strain for either party. Can produce clear, detailed text on a wide range of subjects and explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.

B1

Can understand the main points of clear standard input on familiar matters regularly encountered in work, school, leisure, etc. Can deal with most situations likely to arise whilst travelling in an area where the language is spoken. Can produce simple connected text on topics which are familiar or of personal interest. Can describe experiences and events, dreams, hopes and ambitions and briefly give reasons and explanations for opinions and plans.

A2

Can understand sentences and frequently used expressions related to areas of most immediate relevance (e.g. very basic personal and family information, shopping, local geography, employment). Can communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar and routine matters. Can describe in simple terms aspects of his/her background, immediate environment and matters in areas of immediate need.

A1

Can understand and use familiar everyday expressions and very basic phrases aimed at the satisfaction of needs of a concrete type. Can introduce him/herself and others and can ask and answer questions about personal details such as where he/she lives, people he/she knows and things he/she has. Can interact in a simple way provided the other person talks slowly and clearly and is prepared to help.

C2

Can understand with ease virtually everything heard or read. Can summarise information from different spoken and written sources, reconstructing arguments and accounts in a coherent presentation. Can express him/herself spontaneously, very fluently and precisely, differentiating finer shades of meaning even in more complex situations.

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Familiarity with the CEFR

CEFR LEVEL

C2

C1

B2

B1

A2

A1

Provides a principled basis for evaluating the claims of test developers (and for test developers to evaluate their own claims) from both *quantitative* and *qualitative* perspectives

Can understand the main points of clear standard input on familiar matters regularly encountered in work, school, leisure, etc. Can deal with most situations likely to arise whilst travelling in an area where the language is spoken. Can produce simple connected text on topics which are familiar or of personal interest. Can describe experiences and events, dreams, hopes and ambitions and briefly give reasons and explanations for opinions and plans.



Familiarity with the CEFR

The Global Scale is "just the tip of the iceberg" (Morrow, 2004)

How many Illustrative scales are there?

- Descriptors grouped in <u>54 scales</u>
 - Communicative activities
 - Strategies
 - Communicative language competences



Using the CEFR: Self-assessment grid

The CEFR is not just about testing. It can be used for setting learning goals, discussing levels with students, designing learning tasks, and self-assessment



Is it useful?

To use the CEFR as basis for task development (test tasks and learning tasks), we need to add detail, and fill in the gaps.

The CEFR can be a springboard to task and test development



Test specifications

The chief tool of language test development is a test specification, which a test is a generative blueprint from which test items or tasks can be produced. A well-written test specification (or "spec") can generate many equivalent test tasks. (Lynch & Davidson, 2002)

www.britishcouncil.org



Case studies: where to find detailed specs





Aptis General Technical Manual Version 1.0

TR/2015/005 This manual describes the content and technical properties of Aptis General, the standard English language assessment product offered within the Aptis test system.



Test of English for Academic Purposes

http://www.eiken.or.jp/teap/group/report.html https://www.beds.ac.uk/crella/projects/teap



Socio-cognitive model

What is validity?

Does the test measure what we want it to measure?

CONTEXT VALIDITY

COGNITIVE VALIDITY

Are the scores from the test accurate, reliable, meaningful?

SCORING VALIDITY

Are the scores useful for test users to make

decisions?

CONSEQUENTIAL VALIDITY

CRITERION -RELATED VALIDITY



Socio-cognitive model: O'Sullivan 2017

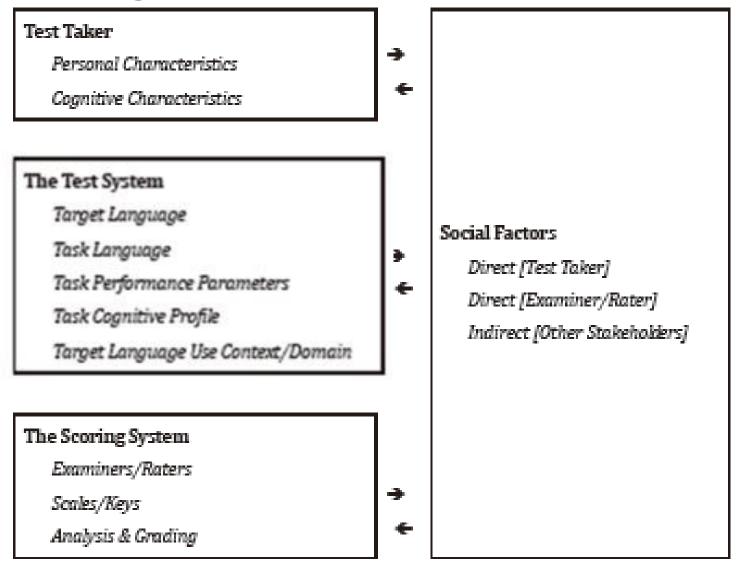


Figure δ: Simplified test system model



Socio-cognitive model: O'Sullivan 2017

The Test System Target Language Task Language Task Performance Parameters Task Cognitive Profile Target Language Use Context/Domain



Filling the gaps in the CEFR

	OVERALL READING COMPREHENSION
B2	Can read with a large degree of independence, adapting style and speed of reading to different texts and purposes, and using appropriate reference sources selectively. Has a broad active reading vocabulary, but may experience some difficulty with low-frequency idioms.
B1	Can read straightforward factual texts on subjects related to his/her field and interest with a satisfactory level of comprehension.
	Can understand short, simple texts on familiar matters of a concrete type which consist of high frequency everyday or job-related language
A2	Can understand short, simple texts containing the highest frequency vocabulary, including a proportion of shared international vocabulary items.
A1	Can understand very short, simple texts a single phrase at a time, picking up familiar names, words and basic phrases and rereading as required.



Filling the gaps: a test task

Choose one word from the list for each gap. The first one is done for you.

Dear Morgan, time with you and Thank you for a wonderful weekend. I had a really great Becky. Your wife is a good cook and she a very nice dinner. I am writing this note in my hotel room and I can the park from my window. My plane leaves tomorrow and I will take a taxi to the airport breakfast. I hope you and Becky will come and with me in Rome next summer. I am feeling a little tired now and I to have a sleep. Thanks again and see you soon, James



Filling the gaps: a test spec

Test	Aptis General	Component	Reading	J	Task	Multiple Choice Gap-Fill						
	Features of the Task											
Skill focus	Skill focus Reading comprehension up to the centence level											
Task Leve	A1	A2	B1	B2		C1	C2					
task	IVIUITIPIE	-cnoice gap till. /	A snort text or 6 s	entence	s is pres	sentea. Ead	n sentence					
description	n contains	s one gap. Test t	akers choose the	e best op	otion fror	n a pull-dov	wn menu for					
	each ga	p to complete th	e sentence. The	first sen	tence is	an exampl	e with the					
	gap con	npleted. Each ga	ap can be filled by	y reading	g within	the sentend	ce.					
Cognitive	Expedi	tious reading: l	ocal	Careful	reading	g: local						
processing	g (scan/se	earch for specific	cs)	(understanding sentence)								
Goal	Expedi	tious reading: g	Jlobal	Careful reading: global								
setting	(skim fo	skim for gist/search for key			(comprehend main idea(s)/overall							
	ideas/de	etail)		text(s))								
Cognitive	Word re	ecognition										
processing	g Lexical	access										
Levels of		tic parsing										
reading	Establi	<mark>shing propositi</mark>	<mark>onal meaning (</mark> d	<mark>:I./sent. I</mark>	evel)							
	Inferen	Inferencing										
	Buildin	Building a mental model										
			presentation (d									
	Creatin	g an intertextua	al representation	n (multi-	text)							



Filling the gaps: a test spec

Features of the Input Text											
Words	40-50 words (including target words for gaps)										
Domain	Puk	olic	Oc	Occupational			Educational			Personal	П
Discourse	Descriptive	9	Naı	rative	Exp	ository	Ar	gument	a Ins	tructive	
mode							tiv	/e			
Content	General				-			Specif	fic		
knowledge											
Cultural	Neutral							Specif	fic		
specificity											
Nature of	Only co	ncrete	Mostly concrete		Fai	rly abstr	act	ct Mainly abstract		ct	
information											
Lexical Leve	K1	K2	К3	K4	K5	K6	K7	K8	К9	K10	
Text genre	E-mails, le	tters, note	s, postca	ds		•	-	•			
_			Featu	res of th	ie Resp	onse					
Target	Longth	1 word	Lovical	V1	Par	t of	Nous	warb as	li o otiv	^	
	Length	1 word	Lexical	KI	K1 Speech		Noun, verb, adjective				
Distractors	Longth	1 word	Lexical	K1	Par	t of	Nous	verb, ac	lioctiv		
F.	Length	1 WOIU	Lexical		Spe	ech	INOUII,	verb, ac	<u></u>		
Key	Within ser	tence		Across	Across sentences						



Task specs: Where to start?

CEFR: Overall Reading Comprehension

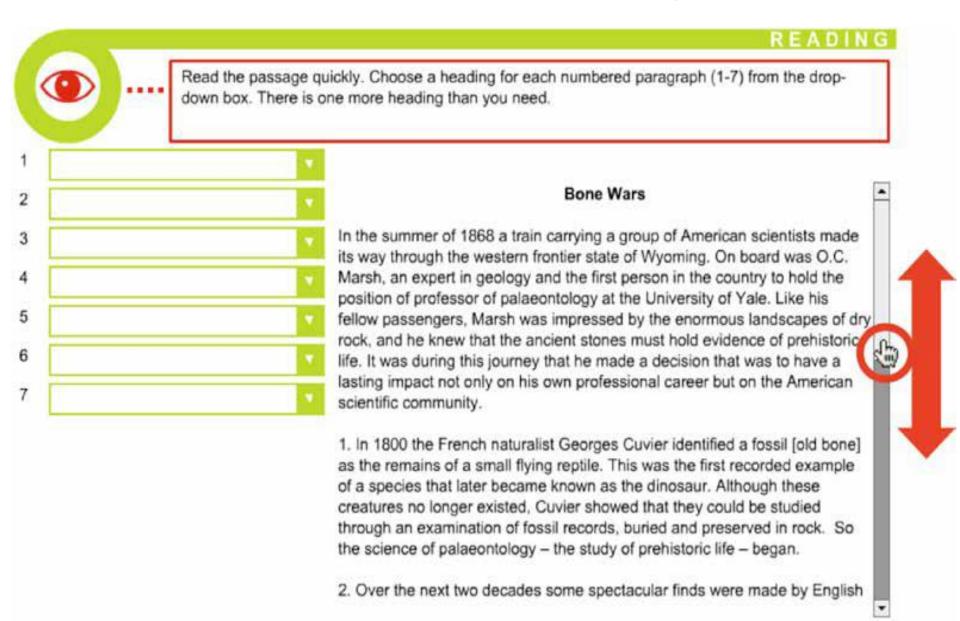
B2 Can read with a large degree of independence, adapting style and speed of reading to different texts and purposes, and using appropriate reference sources selectively. Has a broad active reading vocabulary, but may experience some difficulty with low frequency idioms.

CEFR: Reading for Information and Argument

B2 Can understand articles and reports concerned with contemporary problems in which the writers adopt particular stances or viewpoints.



Test task based on spec





Task specs: an example

Test	Aptis General	Component		Reading	Task	Mat	Matching headings to text					
	Features of the Task											
Skill focus		Expeditious global reading of longer text, integrating propositions across a longer										
		a dis	course-leve	el representation								
Task Leve	I A1		A2	B1		32	C 1	C2				
task	Matchir	ng hea	dings to pa	ragraphs within	a longe	text. Ca	andidates read	d through				
description	n a longe	r text o	consisting (of 7 paragraphs,	identify	ng the b	est heading fo	or each				
	paragra	ph fro	m a bank c	of 8 options.								
Cognitive	Expedi	tious	reading: Id	ocal	Carefu	l reading	g: local					
processing	(scan/s	earch	for specific	s)	(under	standing	g sentence)					
Goal	-		<mark>reading: g</mark>		Carefu	l reading	g: global					
setting	`	0	search for l	key	(comprehend main idea(s)/overall							
		ideas/detail) text(s))										
Cognitive		Word recognition										
processing		Lexical access										
Levels of		Syntactic parsing										
reading		Establishing propositional meaning (cl./sent. level)										
		Inferencing										
			ental mod			4						
				<mark>presentation (d</mark>								
	Creatin	Creating an intertextual representation (multi-text)										



Task specs: an example

Features of the Input Text																	
Words		700-750 words															
Domain	Publ	ic	Occup	oatio	onal		Edu	cati	ional		Perso	Personal					
Discourse mode	Descrip	otive	Narrative Exp		osite	ository Argument			ntative	tative Instru							
Content knowledge	Gene	ral									Spe	ecific					
Cultural specificity	Neuti	ral				Spe			ecific								
Nature information	Only co	Only concrete Mostly concrete Fairly abstract Mainly abstract						stract									
Lexical Level	K1	K2	К3	T	K4	K5	P	⟨6	K7	K8	K9	K10					
Readability	Flesch-Kincaid Grade Level 9-12																
Grammar	A1-B2 Exponents Average sentence length 18-20 words																
Text genre	•	-		-					•			Magazines, newspapers, instructional materials (such as extracts from undergraduate textbooks describing important events and ideas, etc).					

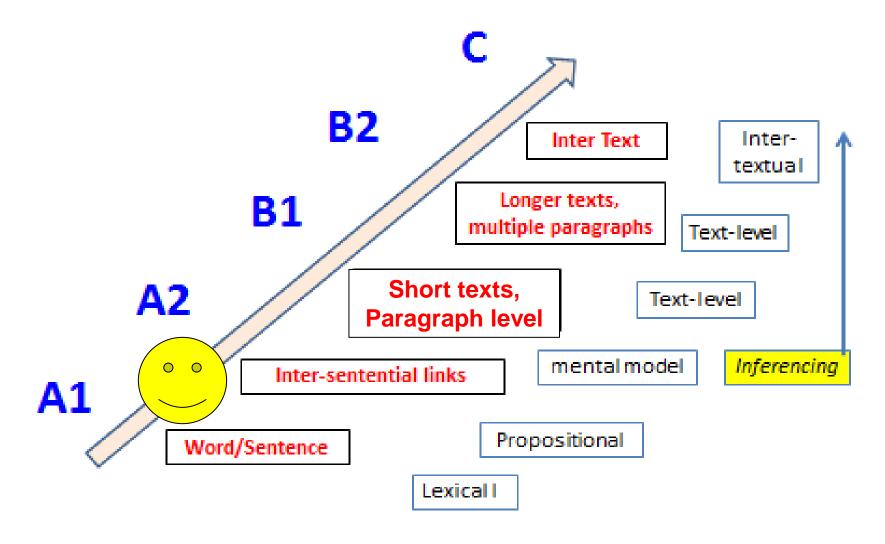


Aptis Reading test spec

Skill focus	LvI	Task description	Cognitive processes
Sentence level meaning	A 1	A short text with 5 gaps. Filling each gap only requires comprehension of the sentence containing the gap. Text-level comprehension is not required.	Careful local readingSyntactic parsingUnderstanding propositional meaning
Inter-sentence cohesion	A2	Reorder jumbled sentences to form a cohesive text	Careful global readingInferencingBuilding a mental model
Text-level comprehension of short texts	B1	A short text with 7 gaps. Requires comprehension of text across sentences.	Careful global readingBuilding a mental model
Integrating macro-propositions and understanding important ideas in longer texts	В2	Matching the most appropriate heading to paragraphs. Requires integration of micro- and macro-propositions within and across paragraphs, and comprehension of discourse structure of more complex and abstract texts.	 Expeditious global reading Creating a text level representation

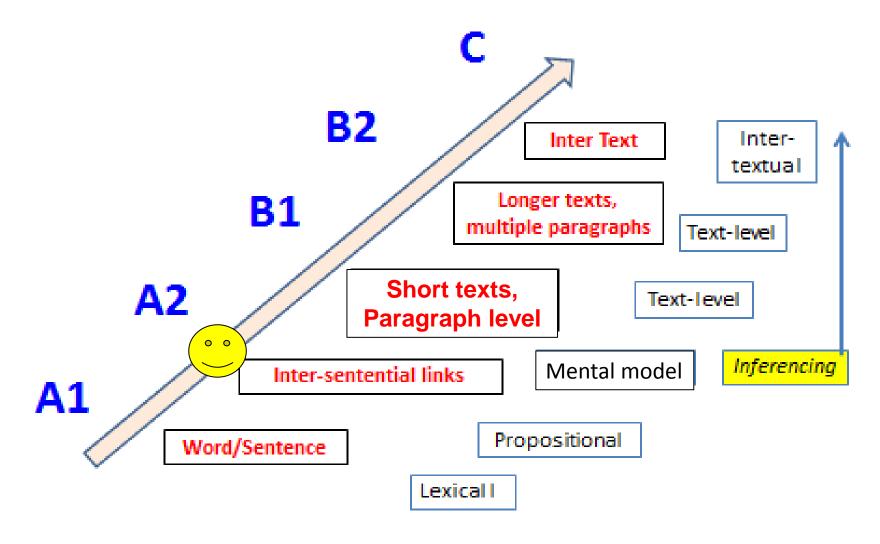


Operationalizing the Model





Operationalizing the Model





Thank you!

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