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COGNITIVISM emphasises the role of the teacher:

- helping students to connect previous learning before moving to new ideas
- helping students understand the material
- understanding differences in students' learning styles
- etc.

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Cognitive revolution (middle 20th c.)

Behaviorism: unable to explain language learning and as well as a number of everyday events.

Cognitive learning theory:

- learners are active in their attempts to understand the world
- new understanding depends on prior learning
- learners construct understanding
- learning is a change in people's mental structures instead of changes in observable behavior.

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'Learning results from inferences, expectations and making connections. Instead of acquiring habits, learners acquire plans and strategies, and prior knowledge is important'

(Hartley, 1998: 18)

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Key Principles of Learning (Hartley, 1998)

- Instruction should be well-organized
- Instruction should be clearly structured
- The perceptual features of the task are important
- Prior knowledge is important
- Differences between individuals are important as they will affect learning
- Cognitive feedback gives information to learners about their success or failure concerning the task at hand

Cognitive Processes in Language Learning Pilar Aguado Cognitive processes have to do with: Learning strategies Learning styles

• Etc.

Multiple intelligences

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conscious learning seems to contribute to successful L2 development

for learners to acquire new forms from input (language they hear), it is necessary for them to notice such forms in the input

input (what learners hear) vs. and intake (that part of the input that learners notice)

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Features contributing to learners will noticing features of input:

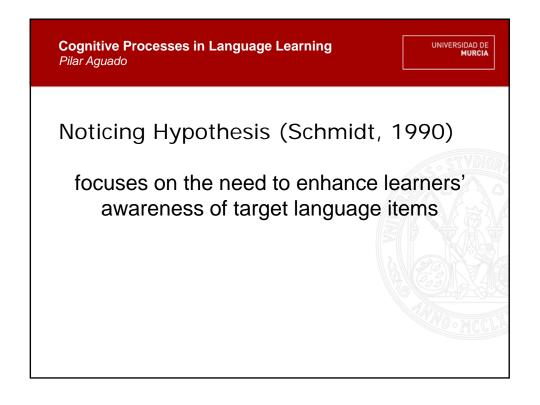
- "Other things being equal, the more frequent a form, the more likely it is to be noticed and then become integrated in the interlanguage system."
- "It concerns how salient a form is in input."
- "Instruction is crucial."
- "Individual differences in processing ability concern the learner's capacity to deal with the range of forms in input."
- "Task demands influences on noticing."

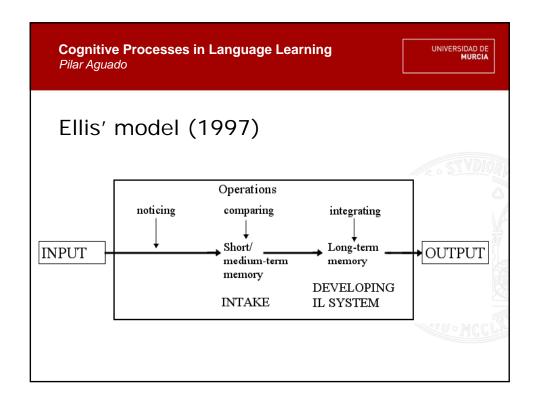
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output promotes learners' attention to form OUTPUT HYPOTHESIS (Swain, 1995, 1998):

- a) enhancement of fluency
- b) the noticing function
- the hypothesis formulation and testing function, and
- d) the metalinguistic function





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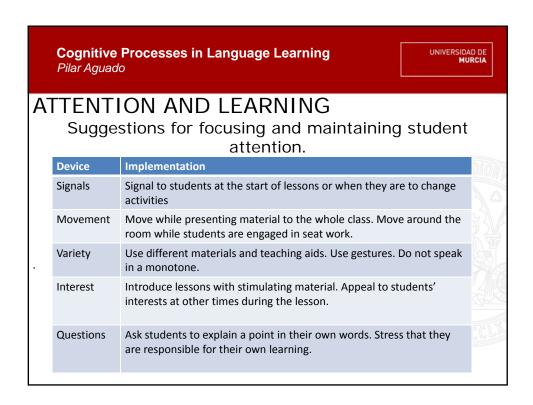
Kihlstrom (1984):

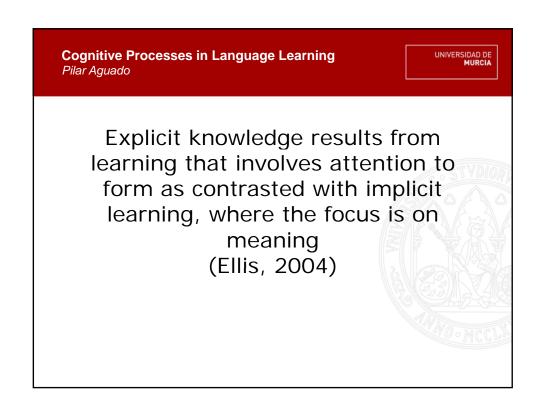
- 1) consciousness and short-term memory are essentially the same.
- 2) that for language items to be stored in long-term memory they must be processed in short-term memory.
- that items not processed into shortterm memory or not further encoded into long-term memory from shortterm memory will be lost.

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"if consciousness is indeed equivalent to the short term store, this amounts to a claim that storage without conscious awareness is impossible" (Schmidt, 1990, p. 136).





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Attention and awareness in particular have been identified as two cognitive processes that mediate input and L2 development through interaction

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Selective attention mediates the L2 acquisition process. Negotiated interaction is claimed to be useful in this regard, as the interactional **feedback** can help direct the learner's attention towards a mismatch between the target input and the learner's own interlanguage form, while at the same time providing learners with opportunities to produce modified output.

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Attention allows learners to notice a gap between what they produce/know and what is produced by the speakers of the L2.

Learners must consciously notice input in order for it to become intake

Noticing and interactional feedback were related.

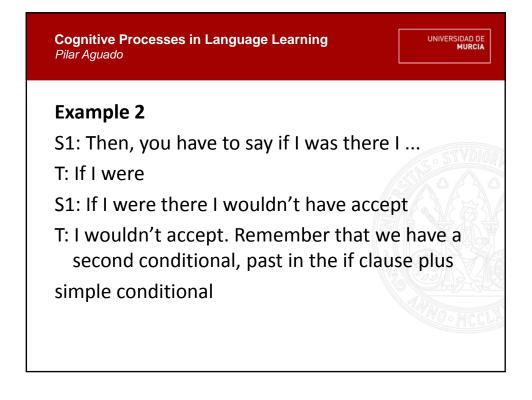
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Corrective feedback

- 1) Explicit correction
- 2) Recast
- 3) Clarification Requests
- 4) Metalinguistic Feedback
- 5) Elicitation
- 6) Repetition

Cognitive Processes in Language Learning Pilar Aguado **Example 1** S1: And then I would say if I was last year I wouldn't S2: If I were S1: If I were S3: But it was last year then ... S1: OK. If I have been last year in the committee I would suggest S3: Shouldn't we say If I had been last year in the committee? S2: Yes, because it's the third type of conditional S1: Oh. If I had been last year S3: I would have consider alternative four S2: Consider or considered? S1: Considered, third type of conditional. OK. If I had been last year on the committee I would have considered S2: Alternative four because the teacher is not enough S3: Because the opinion of a teacher, you mean? S1: Yes, because the opinion of a teacher is not enough



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Example 3

Learner: Last weekend, a man painting, painting

'Beware of the dog'

Teacher: Sorry?

Learner: A man painted, painted, painted on the

wall 'Beware of the dog'

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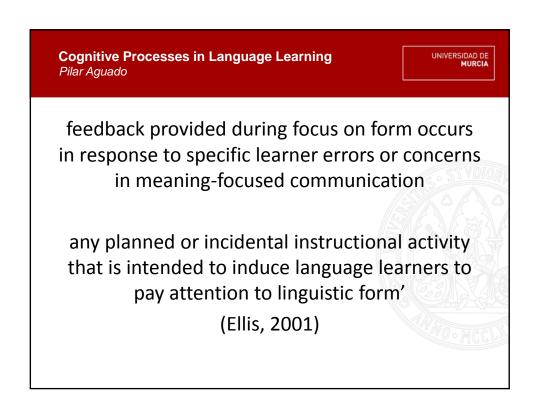
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Example 4

S: Can I to the cinema?

T: Can you go to the cinema? Yes, that's an option

Form-focused instruction: • Focus on Form (FonF) • Focus on Forms (FonFs)



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- T: What are they doing?
- S: He ate the cake.
- T: Yes, but ate, is that correct?, ate?
- S: Uhmm... eat... are eating.
- T: They are eating the cake, right.
- S: and they are happy
- T: umm
- S: because they are on holidays

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Focus on form characteristics:

- It occurs in meaning-centered discourse.
- It is observable, i.e. it occurs interactionally.
- It is incidental, i.e. it is not preplanned.
- It is transitory.
- It is extensive, i.e. it attends to several different forms in the context of a single lesson.

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kinds of focus on form:

- Reactive focus on form. It occurs when a learner has said something erroneous and the teacher or another learner reacts to this error by correcting him.
- Preemptive focus on form. It is an attempt by the teacher or a learner to initiate explicit attention to a linguistic form to prevent the occurrence of an erroneous form.

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T: What's the opposite of landing?

S: Take off T: Take off SS: Take off

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- reactive focus on form addresses errors
- Preemptive focus on form addresses problems which are predicted to occur and thus block communication

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