

Levels of Abstraction

- I. Matching Perception
- II. Selective Analysis of Perception
- III. Reordering Perception
- IV. Reasoning about Perception

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I. Matching Perception



Banana

I. Matching Perception



Loader

I. Matching Perception



Excavator

I. Matching Perception

Words match the strongest interest.

Name what the child is attending to.

Describe what just happened.

Narration.

(all with very simple language)

I. Matching Perception



Uh Oh. Stuck.

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II. Selective Analysis of Perception



The peel is split four ways.

II. Selective Analysis of Perception



Those are altocumulus clouds.

II. Selective Analysis of Perception



I see two pickup trucks.

II. Selective Analysis of Perception

Details

Vocabulary

Conceptual categories

Richness of language added to
experience

II. Selective Analysis of Perception



The cab is still out of the water.

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III. Reordering Perception



You can tell it is ripe by the color.

III. Reordering Perception



That machine picks up the dirt back there.

III. Reordering Perception



He is saying, “That’s where the building goes.”

III. Reordering Perception

Language changes the experience
by making connections...

or challenging connections...

or filtering perception in another
way.

Always within what is now
perceivable: nothing added.

III. Reordering Perception



The driver is missing.

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IV. Reasoning about Perception



The photographer lit it from all sides.

IV. Reasoning about Perception



This picture was taken for a construction company.

IV. Reasoning about Perception



Engineers and architects plan the project.

IV. Reasoning about Perception

What we know from our experience
gets added and connected to
what is present.

Future. Past. Reasons. Possibilities.

Generalizations. Definitions.

Here is the enabling force of
language to think with.

IV. Reasoning about Perception



They'll probably use a crane to get it out.

Levels of Abstraction

	Input Age	Output Age
I. Matching Perception	1	2
II. Selective Analysis of Perception	2	3
III. Reordering Perception	3	4
IV. Reasoning about Perception	4	5