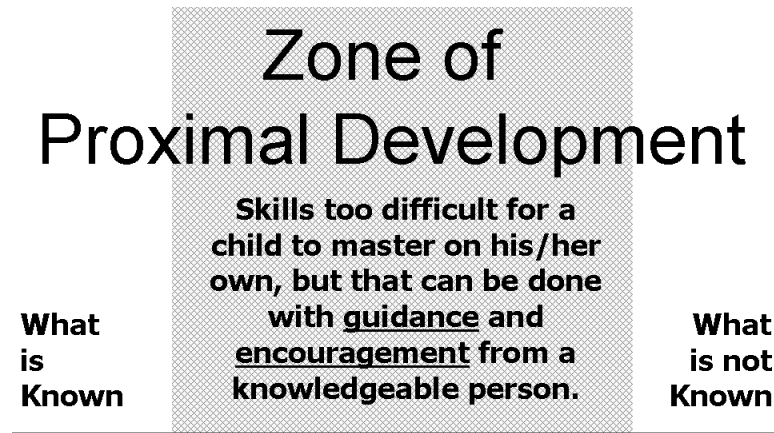


The ZPD & Shop Class

Kevin Pielak



Practical & Concrete
Imitation, Modeling

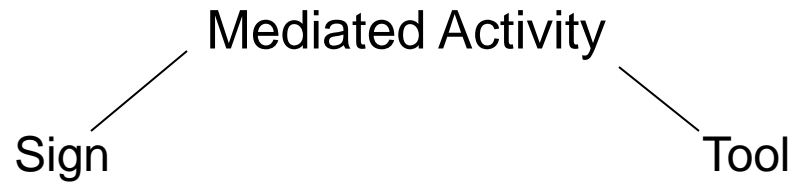
“What a child can do with assistance today she will be able to do by herself tomorrow” (Vygotsky 1978, p. 86).

ZPD includes:

- Culture
 - Learn from social interaction
 - Provide inviting & safe environment
- Scaffolding
 - Link past knowledge to create new
- Imitation
 - Observing, modeling & copying

“Concreteness is now seen as necessary and unavoidable only as a stepping stone for developing abstract thinking-as a means, not as an end in itself”
(Vygotsky 1978, p. 89).

Shops & higher thinking



Internalization

- External begins to become internal
 - Words, pictures, imitation: Social speech accompanies action
- Interpersonal process is transformed into intrapersonal
 - Difficult tasks: Egocentric speech begins to precede action
- Transformation of interpersonal into intrapersonal takes a long series of developmental events
 - Students begin to guide themselves: inner speech plans action

Modeling welding

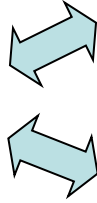
- Discuss what & how welding is done. Is it like gluing?
- Describe welding using words, graphics and virtual welding examples
- Model the actual welding while explaining my inner thinking process
- Have the student do the welding with assistance
- Student teaches other student how to weld

What does ZPD do for the teacher?

- Powerful tool for teaching
- Could it be used to teach someone's agenda? Teacher, special interest groups
- Teachers need fewer students
- Teachers need time for training and planning
- Students and society will benefit
 - 2nd 3rd

Know & Care for each other

Student

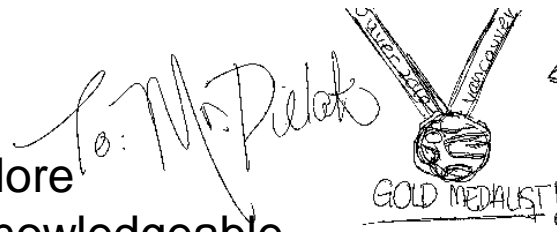


More knowledgeable

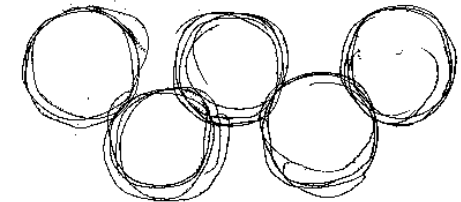
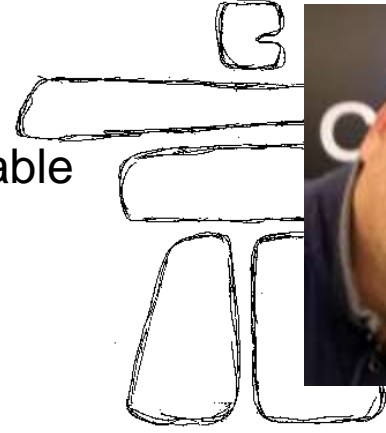
Peer

More knowledgeable

Teacher



Event: Best teacher Race
Gold: Mr. Pielak
XXI Winter Olympic Games



Vancouver 2010.



GO CANADA GO!

From: Yefor. C
Vivian. T
Ananda. M

Second in Fraser valley



Third in Canada



Welding instructor, Ron
McKeown, with Joe.