



research, development and education in
communication
cognition
learning



Wallenberg Foundation (MMW)

Max Planck Institute for Psycholinguistics

Linguistics

Cognitive science

Neuropsychology

Neurophysiology

Mathematics

- a phonetic/acoustic unit
- an eye-tracking unit
- an electrophysiological unit
- a body-motion tracker
- a virtual reality (VR) unit
- a tactile unit
- a writing unit
- a lab for training and education

QuickTime och en
TIFF (okomprimerad)-dekomprimerare
krävs för att kunna se bilden.



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2. knowledge

3. understanding

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management of cognitive resources

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working memory

selectivity and automatization

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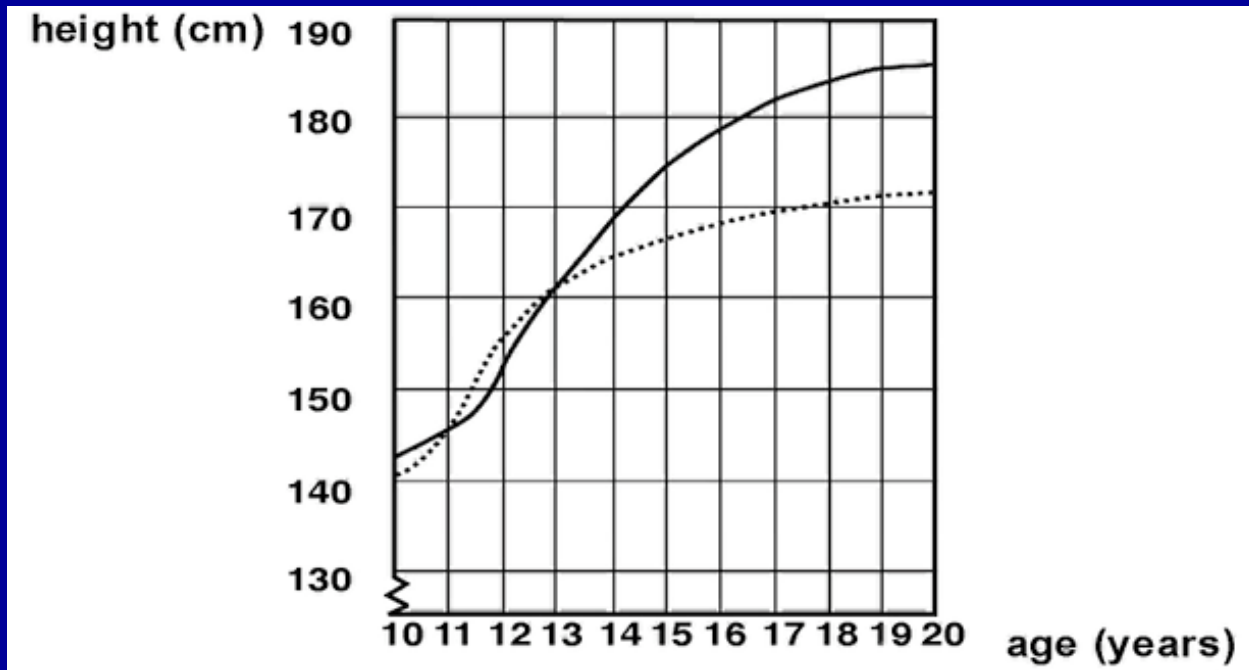
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→ Online behaviour is indicative of this resource management

the graph shows average length for dutch boys and girls 1998



- (A) the boys' length is always greater than that of the girls
- (B) for some ages the girls' length is greater
- (C) the length of the girls increase more after the age of 13
- (D) at 11 years , the length of the boys increase more than that of the girls

evidence-based feedback

- evaluation and improvement of teaching material or ICT tool
- evaluation of the effect of pedagogical treatment
- instant feedback to individual learner/user

- think of the lab as a resource for your school
- together we can forward a new generation of tools for self assessment and evaluation!