Giftedness

Todd Lubart
LaPEA -
Psychology Institute – Université de Paris
Giftedness, Talent, Precocity, Prodigy?

- many terms
- different societal references
- choice of terms creates a reference universe that orients policy debates
Potential
- The ability to develop, achieve or succeed a desired future state
- A latent state of what may come to be

- may be become a big walnut tree

- The walnut may be also become
  part of a salad
  part of the ground soil
  a souvenir of a nature walk
  part of a science experiment on Mars
  part of a toy
  …
Giftedness

- Terman (Stanford-Binet, longitudinal study)
- Marland Definition* (US Education Dept)
- Renzulli- three-ring model
- Gagné- DMGT
- In practice: WISC test, IQ $\geq 130$ (+ 2 standard deviations)

* capable of high performance, through demonstrated achievement or potential ability in: intelligence, academic subjects, creativity, leadership, visual/performing arts, psychomotor

Gifted and Talented organizations: WCGTC, ECHA, Asia-Pacific
Models of High Potential (Renzulli)

Cognitive Abilities

Creativity

Motivation

Involvement
Educational options

- Special programs or maintenance in regular school setting
- Acceleration
  - Skip a grade
  - Compacted curriculum
- Enrichment
  - Project work
  - In depth study of a topic
  - Discovery of additional topics
The French connection

- MEN: Intellectual precocity → skip a grade
- Integration model, for special needs population
- A few special classes, special schools
- Some “UPI” Pedagogical integration units (special cases)
- CNAHP – national expertise and care center: Rennes
- Parent associations, ANPEIP, AFEP, …
- MEN: recent committee, now uses “high potential”
High Potentiel (gifted)

- high intellectual potential
- high creative potential
Intellectual *potential*?

- Galton (1880)
- Binet & Simon (1905)
- Wechsler (IQ tests)

Types of intelligence: “g”, primary abilities, fluid and crystallized (CHC), analytic-practical-synthetic (Sternberg), multiple intelligences (Gardner)
Creative potential?

- Ribot (1900)
- Guilford (1950)
- Torrance (1960)
- **Creativity**: the ability to generate new productions that are meaningful in their context

- **Creative potential** = the latent state of being able to generate new productions that are meaningful in their context
Creative Potential: Creators

- **Cognitive factors**
  - Specific abilities
  - Knowledge

- **Conative factors**
  - Specific traits
  - Motivation

- **Affective factors**
  - Emotion traits
  - Emotion states

- Environment Culture

Creative potential according to the domain

Creative Production (achievement - talent)

Divergent-Exploratory

Stimulus
Convergent-Integrative
Creative Potential
EPoC, a new battery to evaluate creative potential (Lubart, Barbot & Besançon, 2011)

• Developed from 2000 – 2010, based on research on children’s development of creative thinking

• 2011: Artistic-graphic and Literary-Verbal domains normed on a French population

• 2013: Versions in English, Arabic, German, Turkish, Slovenian, Croatian, Portuguese, Chinese, Polish (and other languages under development)

• 2014: Extension to Social, Math, Science, Music & Body-Movement Domains

• 2015: OECD research use in 10 countries
Examples of productions Divergent-exploratory
Examples of productions
Convergent - Integrative
HP créatif (études CNAHP)

Efficience

Interprétation de l’efficience, chapitre 4, p. 99 à 99

7. Report des quotients entourés de leur IF

Synthèse efficience
EPoC and links with WISC

<table>
<thead>
<tr>
<th>WISC4</th>
<th>EPoC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DG</td>
</tr>
<tr>
<td>Compréhension verbale (ICV)</td>
<td>.14</td>
</tr>
<tr>
<td>Raisonnement perceptif (IRP)</td>
<td>-.24</td>
</tr>
<tr>
<td>Mémoire de travail (IMT)</td>
<td>-.15</td>
</tr>
<tr>
<td>Vitesse de traitement (IVT)</td>
<td>-.23</td>
</tr>
<tr>
<td>Quotient intellectuel total (QIT)</td>
<td>-.14</td>
</tr>
</tbody>
</table>
Summary of the main points

- Giftedness: a complex concept
- Several forms of high potential
- High potential can be assessed
- Potential can be developed through education
Thank you

Todd.lubart@parisdescartes.fr