

Adolescent self-concept & Academic decision making

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Definitions

Self-Concept

How you think about yourself Social construct

Self-descriptions

Evaluative in nature Differ in importance given to them Can be categorized in domains

Self-esteem

Overall evaluation of your worth as a person





Important?







Self in Adolescence

Brain development







How to study self-concept?

Self-concept Study



3 timepoints 2 waves completed. Presenting data wave 1











Self-concept Study











Results

Domains and Development

Behaviour



Most positive about:

Prosocial traits

Least positive about:

Academic traits

Behaviour

4.0-3.5 **Development** Positivity 0.6 Only for academic traits Less positive in mid-adolescence 2.5 Physical Academic Prosocial 2.0 20.0 12.5 15.0 17.5 Age (Years)

Neural



Domain-general

mPFC

Neural

Striatum: Positive - Negative



Striatum

Self-relevance/relatedness, intrinsic/reward value, salience
Dip in self-evaluation?



Self-concept becomes *more differentiated* upon domain
Possible *dip* in positive self-evaluation in mid adolescence
mPFC plays an important role in self-concept development in adolescence

 Longitudinal research is needed to better understand these relations



Self-concept related to study choice

What characterizes adolescents who have difficulties with making academic choices?

Geen enkele scholier wil de verkeerde studie kiezen

Source: NRC, jan 2018

30 to 35 %

Drops out in their first year of college

Source: Vereniging Hogescholen/VSNU

Why do so many students drop out of college?

■ Wrong match between person and study → Wrong choice



The adolescent brain...

....Choices

HEEFT U VAAK LAST VAN KEUZESTRESS

□ JA □ NEE □ NU WEL

Parkine 158. 8801 BA Ambern - sveni lootjii ni





Behavioral and neural correlates of:





Self-knowledge

66

What characterizes adolescents who have problems with making academic choices?



10 month structured gap-year program

□Focuses on increasing self-knowledge and self-esteem

Participants will be able to make a better suited academic choices for the future

2 to 3 days of training and workshops per weekPersonal coach

- Multiple categories of learning:
- Learn about own traits and competences
- Awareness and change of own behaviour
- Improving social skills
- Decision making
- Vitality
- Society





- Adolescents between 16 and 24 years
- Gap year between high school and higher education, or drop outs
- Experience difficulties in choosing study / career path

- A lot of diversity
 - Level of educational tracks
 - Background variables

Groups in Amsterdam, Utrecht and Eindhoven
Around 30 adolescents per group



BREEKJAAR

N = 38

Gender: 14 Male 24 Female

Age: 16 – 24 years; *M* = 18,7

IQ: 85 – 127.5; *M* = 104,5

Educational background: High school: 22 Tried higher education: 16

CONTROL

N = 46

Gender: 22 Male 24 Female

Age: 17 – 21 years; *M* = 19,4

IQ: 85 – 132,5; *M* = 109,1

Educational background: All in higher education



SELF-DESCRIPTIONS IN MRI

To what extent individuals describe certain traits in a diverse set of domains to be applicable to them



The value one could place upon possessing certain traits



SELF-CONCEPT CLARITY

The extent to which individuals describe their self-concept as clear, stable, and internally consistent



Self-descriptions







Importance 4 3,5 3 2,5 2 Academic Physical Prosocial ■ Breekjaar □ Control Self-esteem











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