GDE Matrix - Related Life Style

Ian Edwards

A little test for you!

Discuss with the person next to you:

- How would you describe the drink driving law?

- Your interpretation of the speed limit and how you think others may interpret the speed limit?
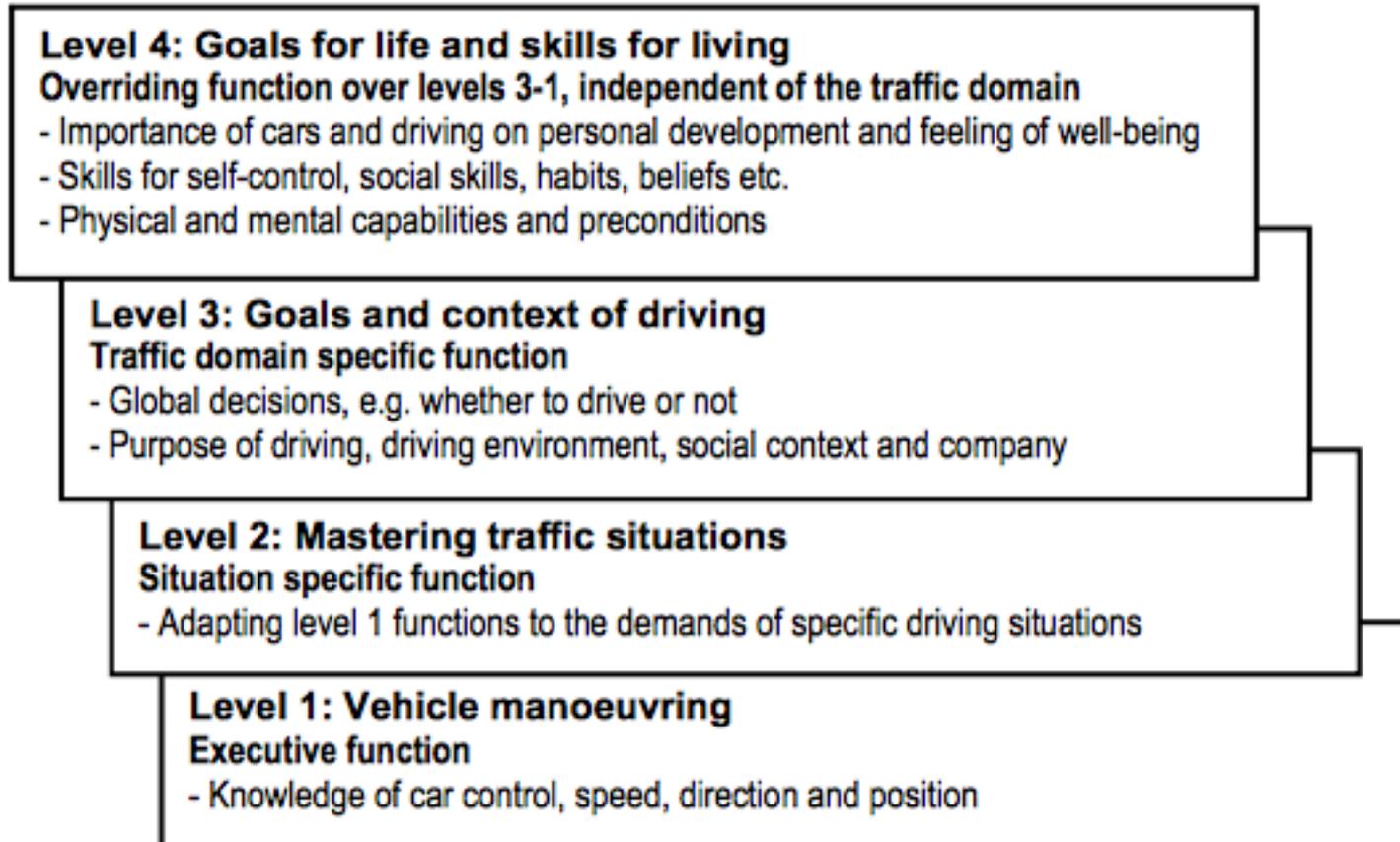
History

Level 4: Goals for life and skills for living
Overriding function over levels 3-1, independent of the traffic domain
- Importance of cars and driving on personal development and feeling of well-being
- Skills for self-control, social skills, habits, beliefs etc.
- Physical and mental capabilities and preconditions

Level 3: Goals and context of driving
Traffic domain specific function
- Global decisions, e.g. whether to drive or not
- Purpose of driving, driving environment, social context and company

Level 2: Mastering traffic situations
Situation specific function
- Adapting level 1 functions to the demands of specific driving situations

Level 1: Vehicle manoeuvring
Executive function
- Knowledge of car control, speed, direction and position

Fig.1. Hierarchical levels of driver behaviour (adapted from Keskinen, 1996).

GDE 2010

Level	Knowledge and Skills	Risk increasing Factors	Self-evaluation
Social Environmental	Culture, enforcement, sub-cultures, group values	Little or no understanding of how cultural / sub-cultural issues impact on driving	How culture/ impacts on driving decisions / judgements
Goals for life and skills for living	Lifestyle, age, group, culture, social position, etc. v.s. driving behaviour	Sensation seeking, group norms, peer pressure	Introspective competence, own preconditions, impulse control
Goals and context of driving	Modal choice, choice of time, role of motives, route planning	Alcohol, fatigue, low friction, rush hours, young passengers	Own motives influencing choices, self-critical thinking
Driving in traffic	Traffic rules, cooperation, hazard perception, Automation	Disobeying rules, tailgating, low friction, vulnerable road users	Calibration of driving skills, own driving style
Vehicle control	Car functioning, protection systems, vehicle control, physical laws	No seatbelts, breakdown of vehicle system, worn-out tyres	Calibration of car control skills

A pen picture of Jake

- Jake, is 19, he has 3 brothers and comes for a supportive family. He is polite and well spoken. He is completing a business studies degree at university. He is a keen football player and plays for the university team.

- What would be the potential issues here for Jake?

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Social Environment

- University
- Peer group
  - Football club
  - Influence of friends
- Family influence
- Media outlets (Formal and informal)
- View of enforcement / laws

Goals for life skills for living

- Competitive
- Social positions
- Self-image
- Peer pressure

Remember the test?

Discuss with the person next to you:

- How would you describe the drink driving law?

  – Were there different interpretations?

- Your interpretation of the speed limit and how you think others may interpret the speed limit?

  – Were there different interpretations?

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Solutions

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Beliefs

- Help someone understand the impact their beliefs will have on driving related decisions

- But decisions are unlikely to be considered!

Quick maths

If a bat and ball costs £1.10 and the bat costs £1 more than the ball how much does the bat cost?

- Total cost £1.10
- Cost of bat £1.05
- Cost of the ball is 5p
- Difference between £1.05 and 5p is a £1!

Who instinctively wanted to say 10p?

Dual Process

(Based on Garrard et al 2008)

System 1

- Automated
- Unconscious
- Impulsive
- Intuitive
- Image-based
- Reactive

System 2

- Systematic
- Controlled
- Conscious
- Logical
- Deliberate
- Cautious

System 1 – Is very fast!
System 2 – Slow and lazy - requires effort!

Recognised Primed Decision

(Klein et al 1986)

Cues → Recognised pattern → Action script → Mental simulation → Action or rejection

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Summary

- Our understanding of the world is internal to ourselves

- We make decisions based upon instinctive reactions, rather than consider thought in most cases

- We need to be primed to make the right decision prior to 'event'

- Road Safety GB – Behavioural Change Course

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