

Systematic Orienteering

A top-down approach to navigation

by Mark Nixon

British Orienteering Coaching Conference
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Biography - coach

- Lead Technical Coach, British Orienteering
- Head of Performance, Edinburgh University



Biography - athlete

- World Champs 2012, 2013
- World Cup 2005, 2012, 2013
- European Champs 2012
- World University Champs 2012
- Junior World Champs 2003, 2004
- Junior European Cup 2002, 2003, 2004



Systematic Orienteering

A top-down approach to navigation

- What?
- Why?
- How?
- Who?
- When?

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- What?
- Why?
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Systematic Orienteering

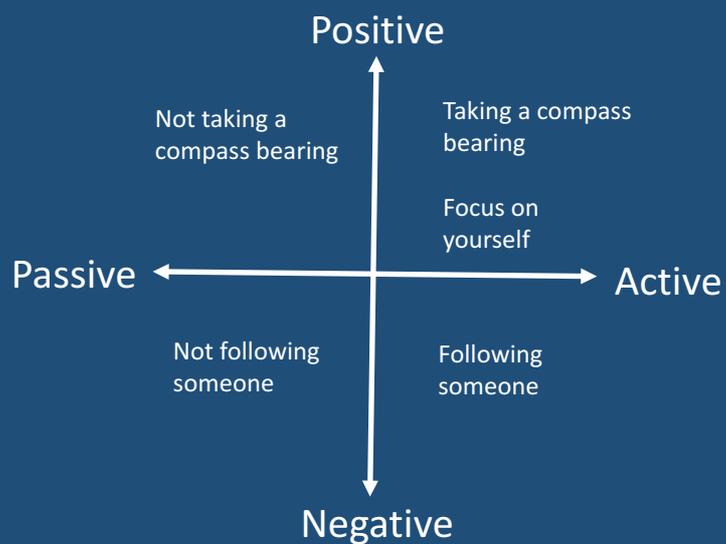
A top-down approach to navigation

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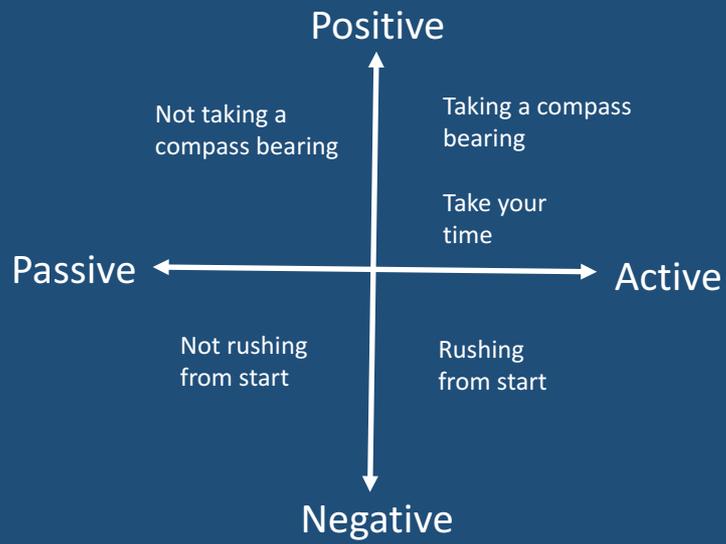
Good vs Bad Technique

1. Name skills, techniques, strategies, and tactics
2. Name mistakes and errors

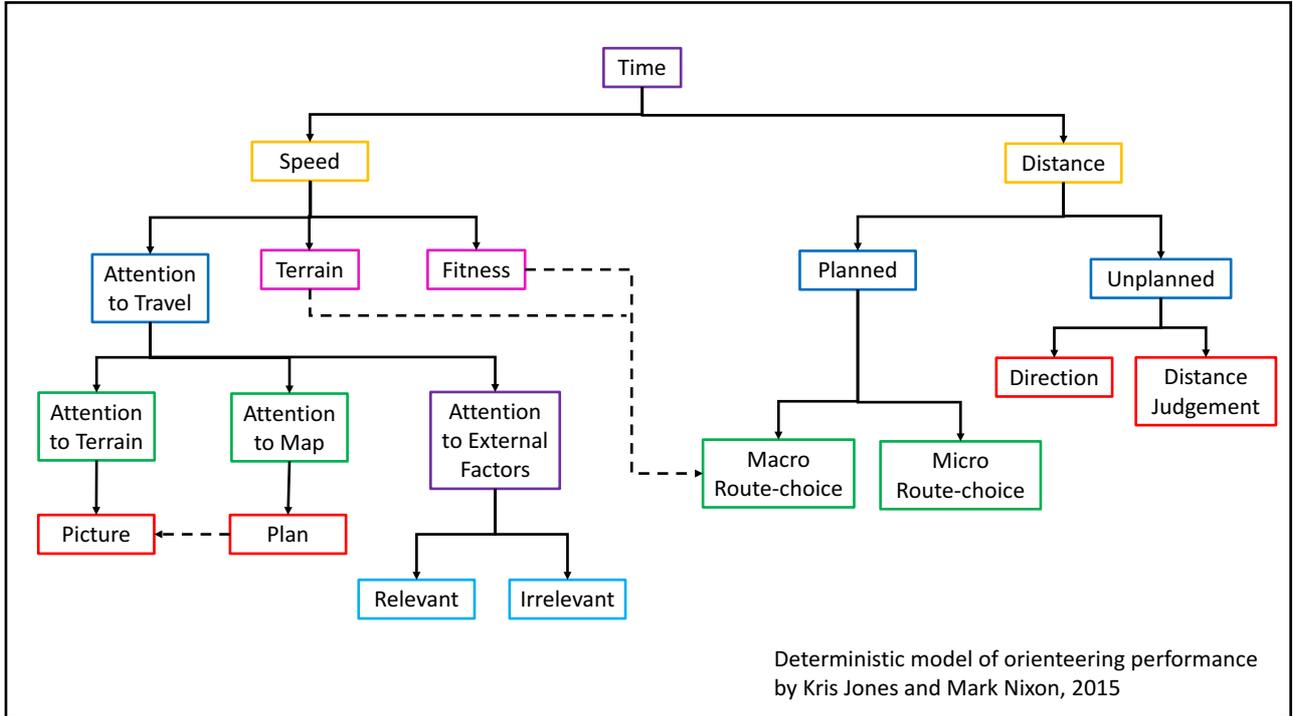
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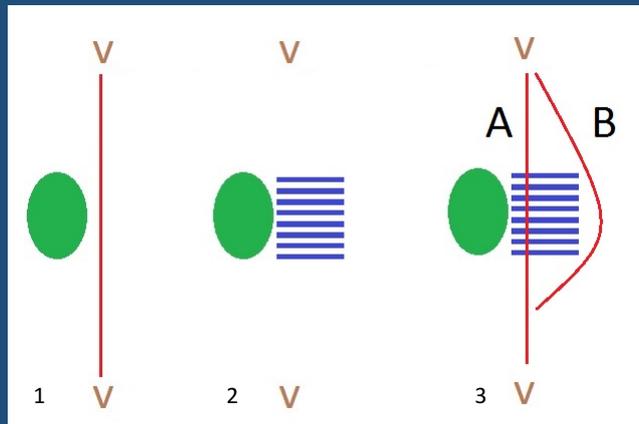
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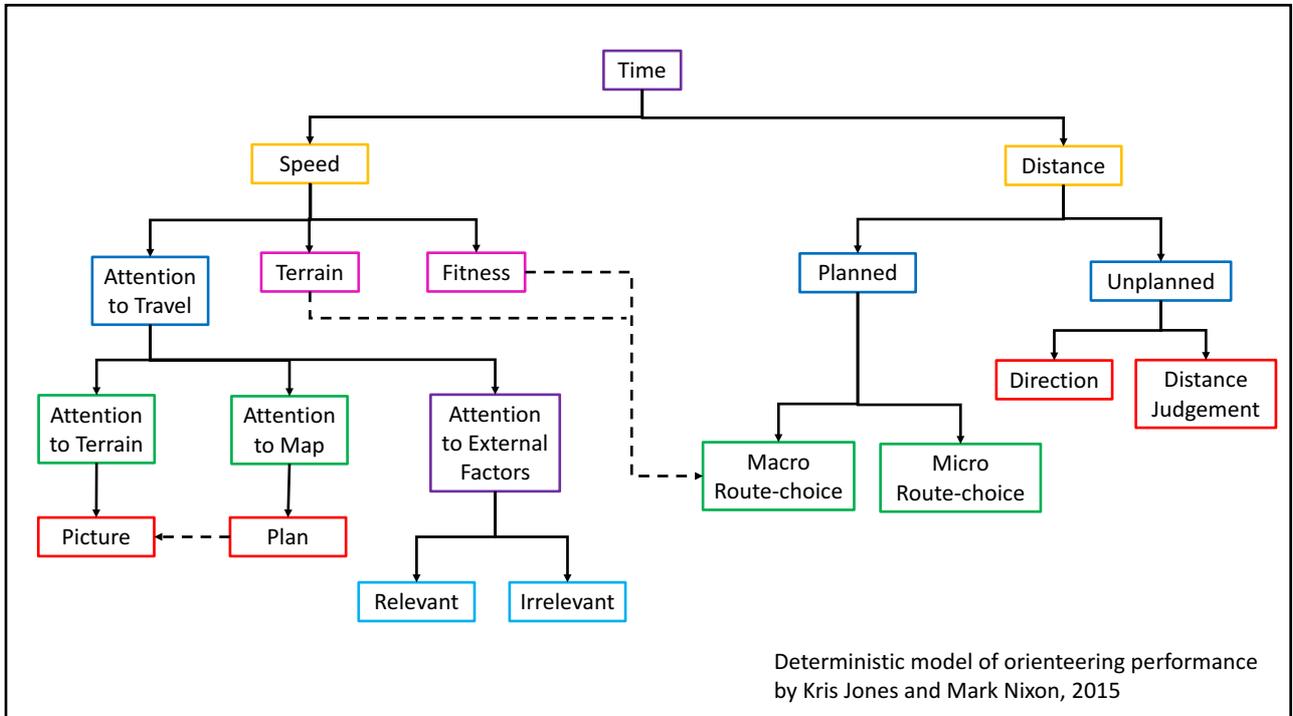
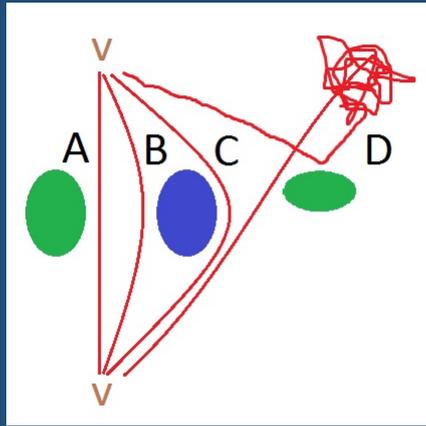
Top down vs Bottom Up



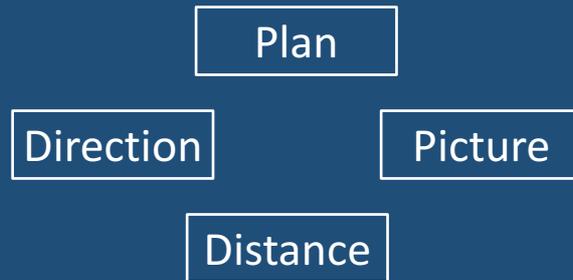
Micro-routechoice



Unplanned Distance

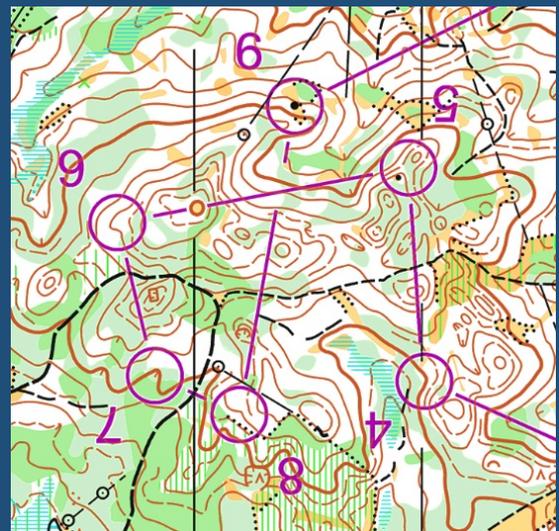


Performance Analysis



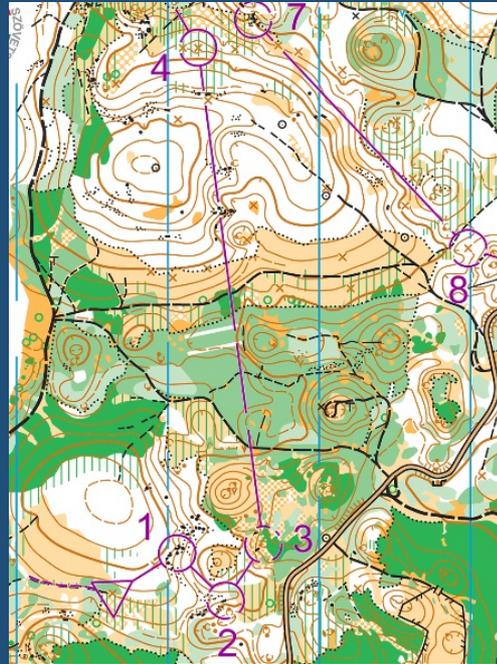
Orienteering Process

- Read the map
- Route choice
 - Exit
 - Route
 - Attack
 - Control
- Add details
- Select skills
- Execute



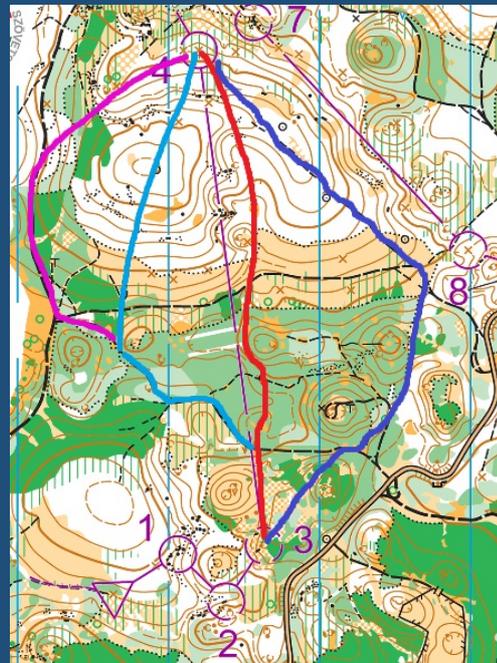
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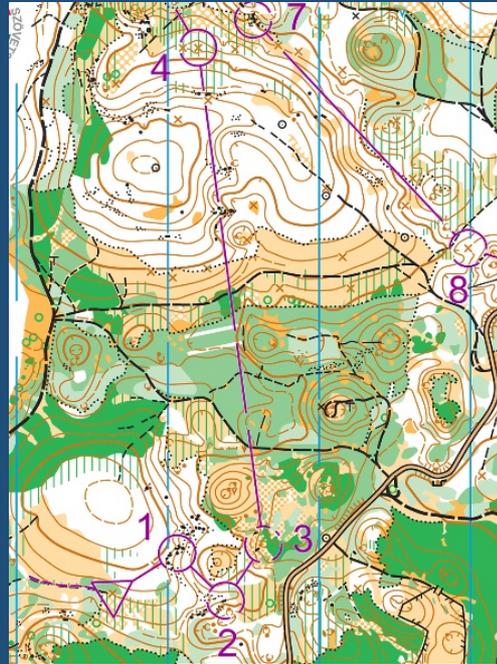
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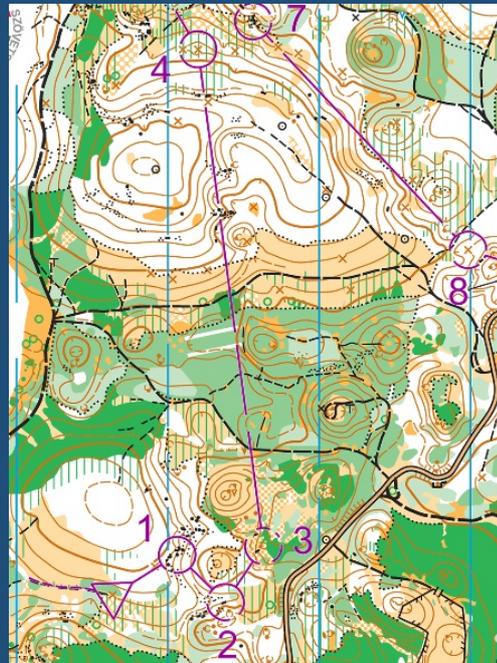
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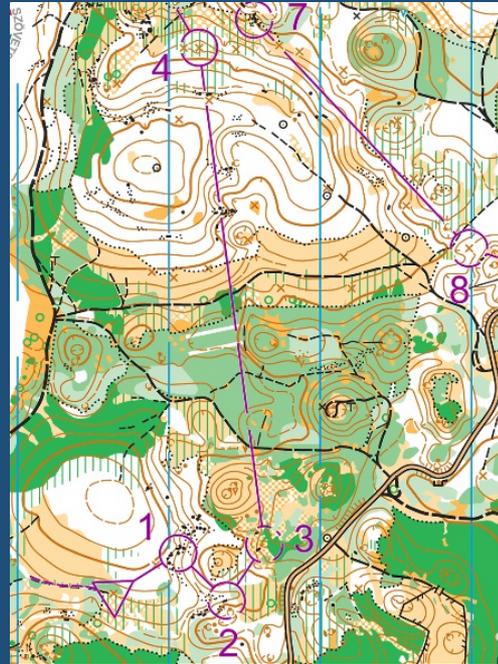
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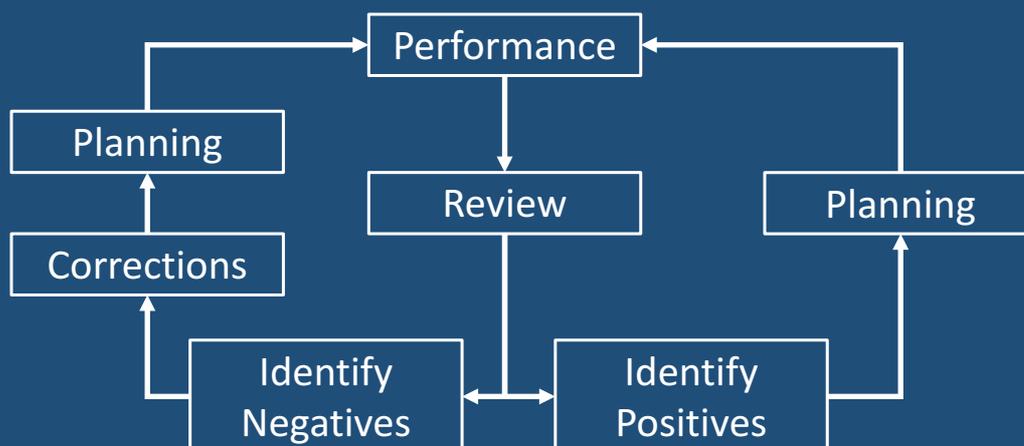
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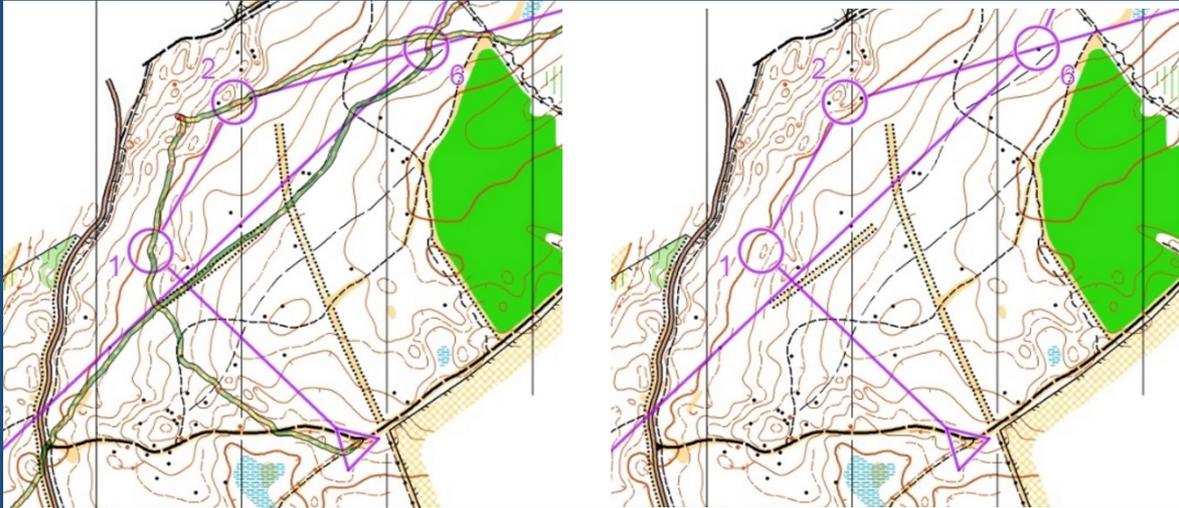
Key training principles

- Practice makes permanent
- Analysis, analysis, analysis
- Speed / accuracy trade-off
- Whole-part-whole
- Part-whole
- Part-method

Experiential Learning Model



Technical Analysis



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Any questions?