

# 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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# Systematic Orienteering

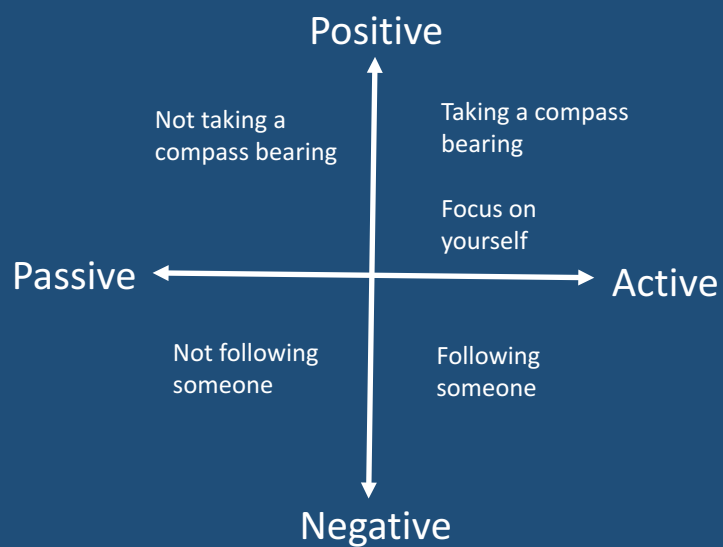
A top-down approach to navigation

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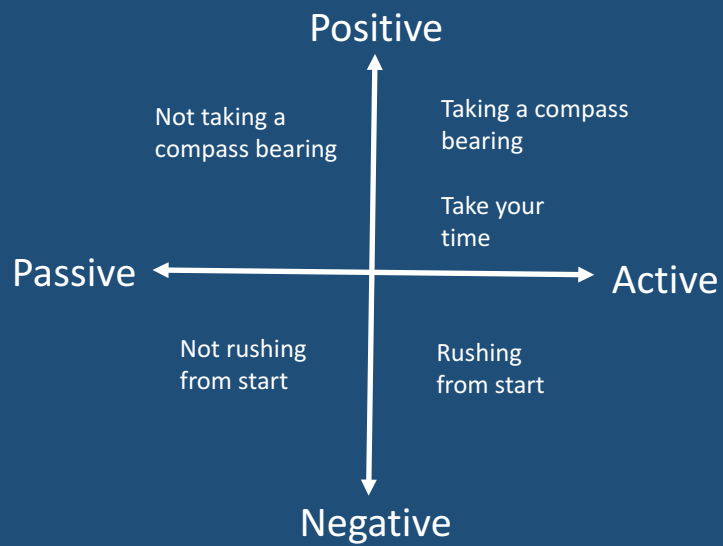
## Good vs Bad Technique

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

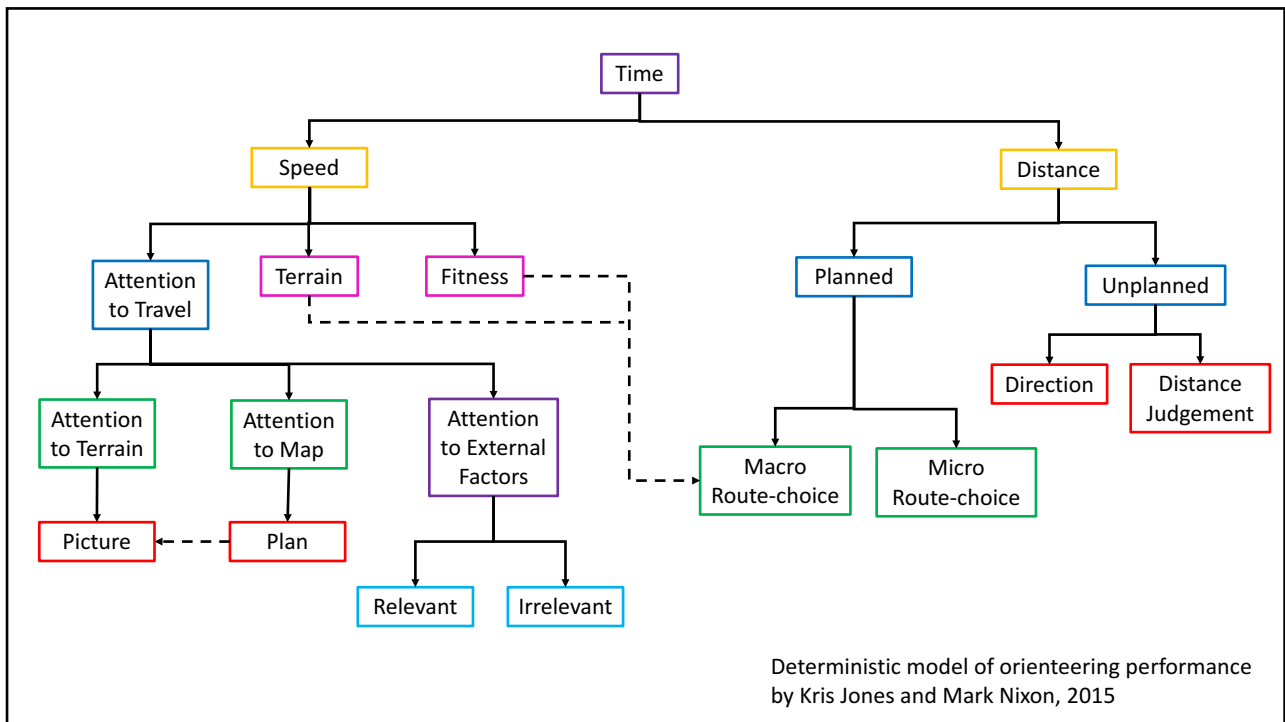
## Good vs Bad Technique



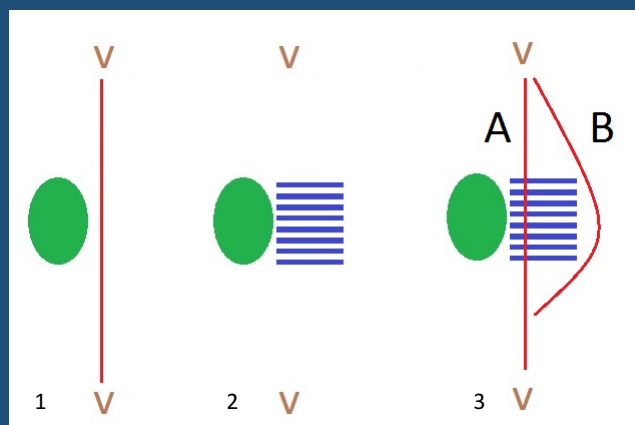
## Good vs Bad Technique



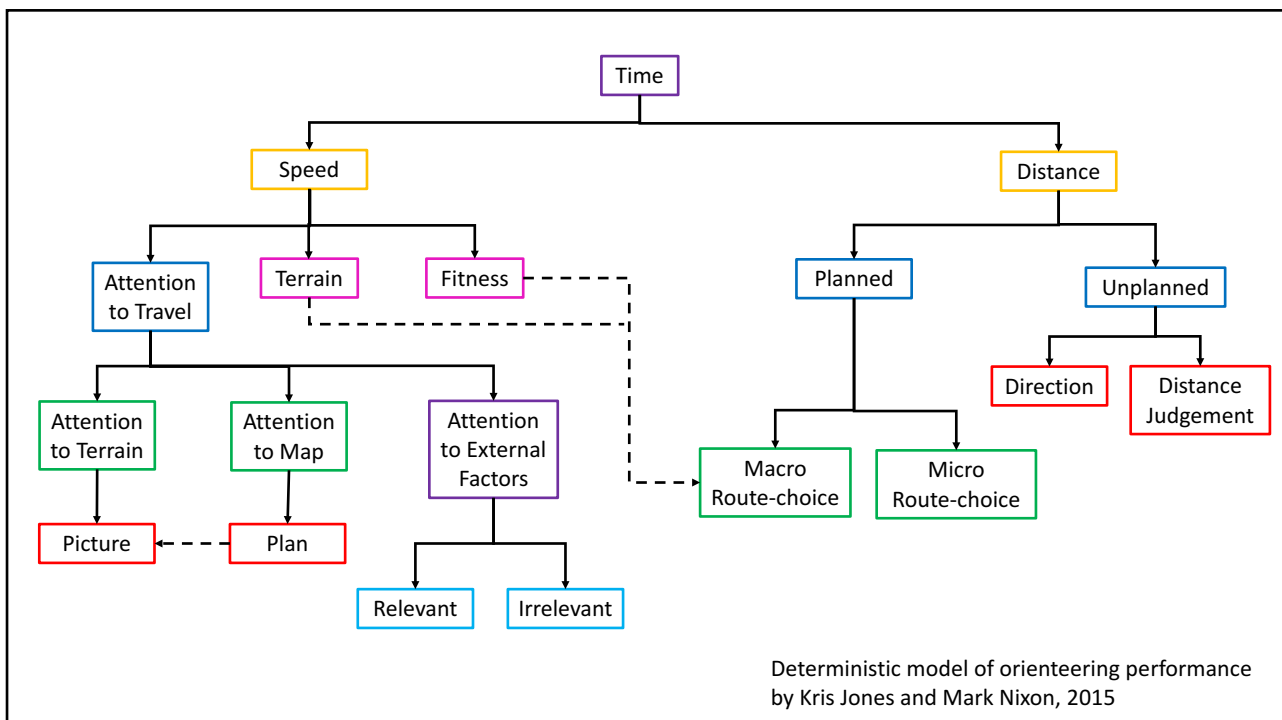
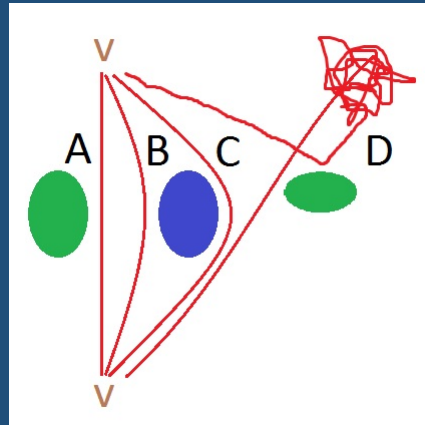
## Top down vs Bottom Up



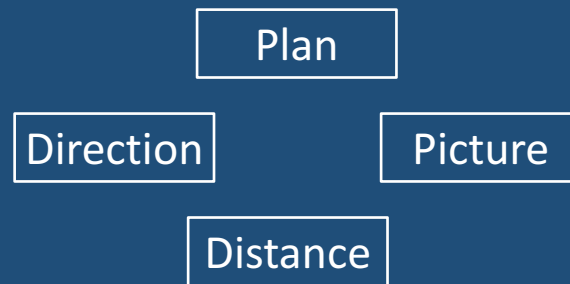
## Micro-routechoice



# Unplanned Distance

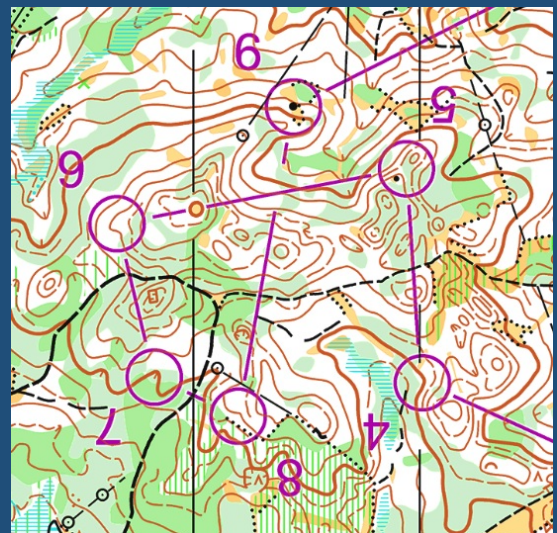


## Performance Analysis



## Orienteering Process

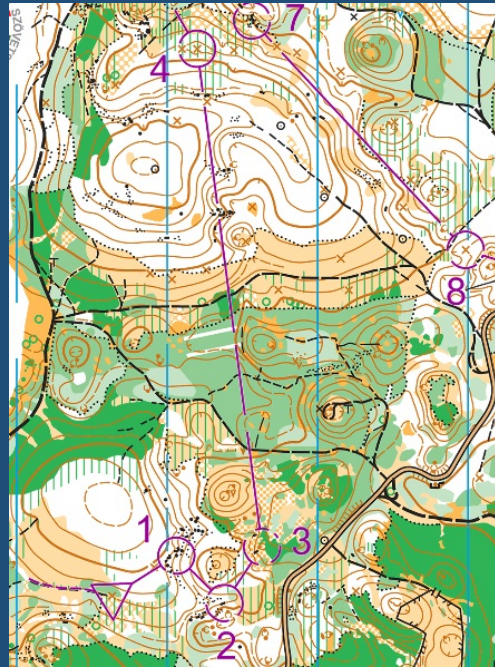
- Read the map
- Route choice
  - Exit
  - Route
  - Attack
  - Control
- Add details
- Select skills
- Execute





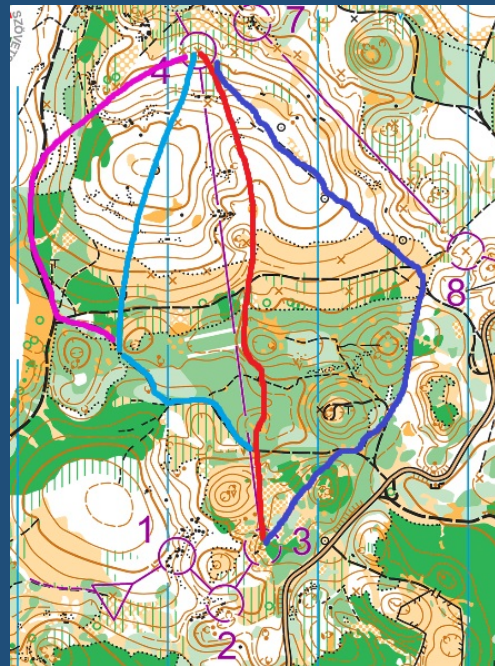
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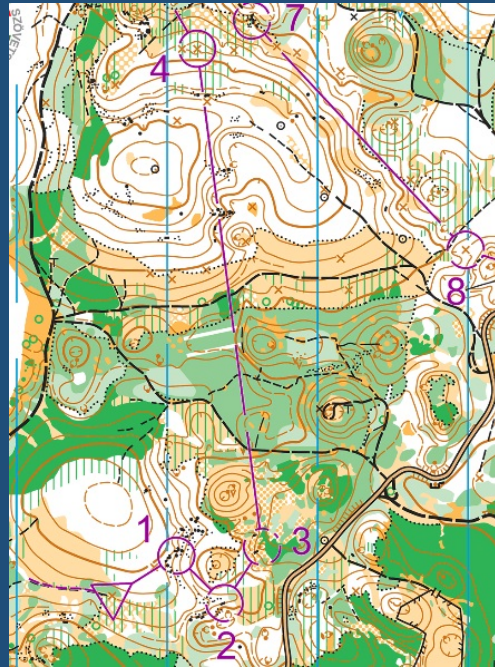
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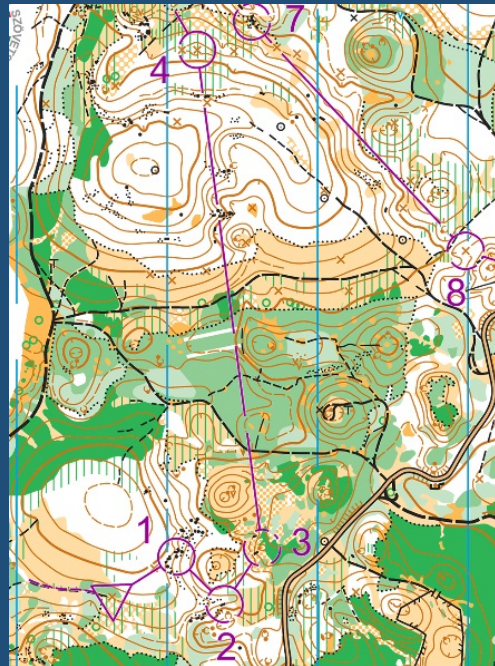
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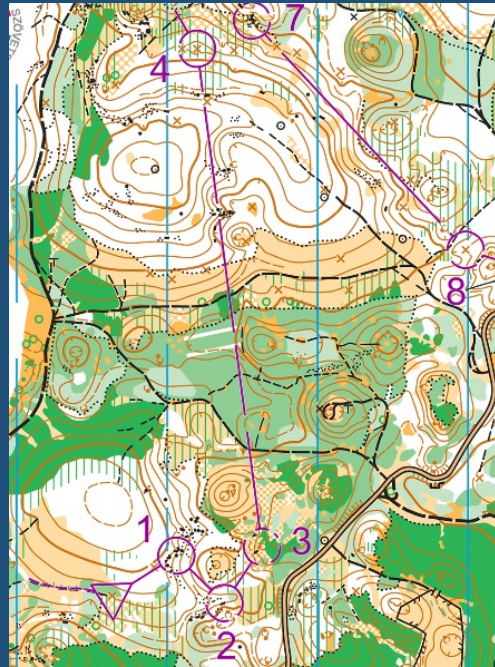
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## Systematic Orienteering

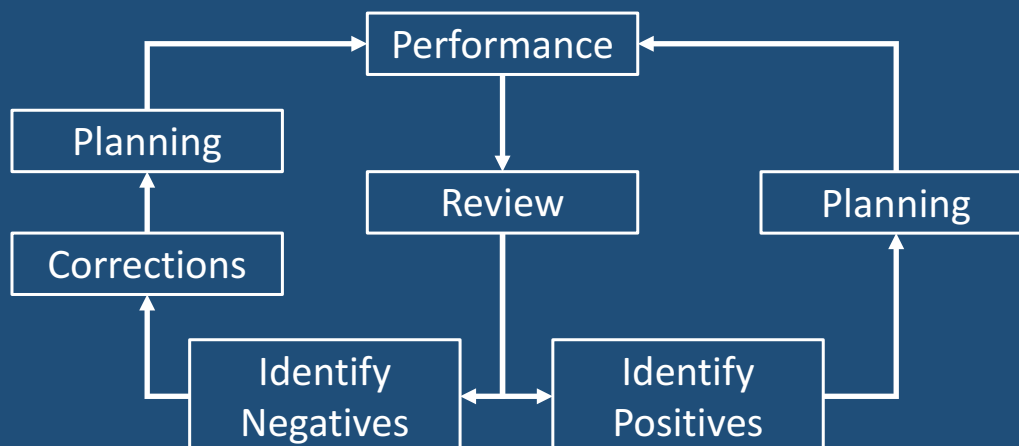
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## Key training principles

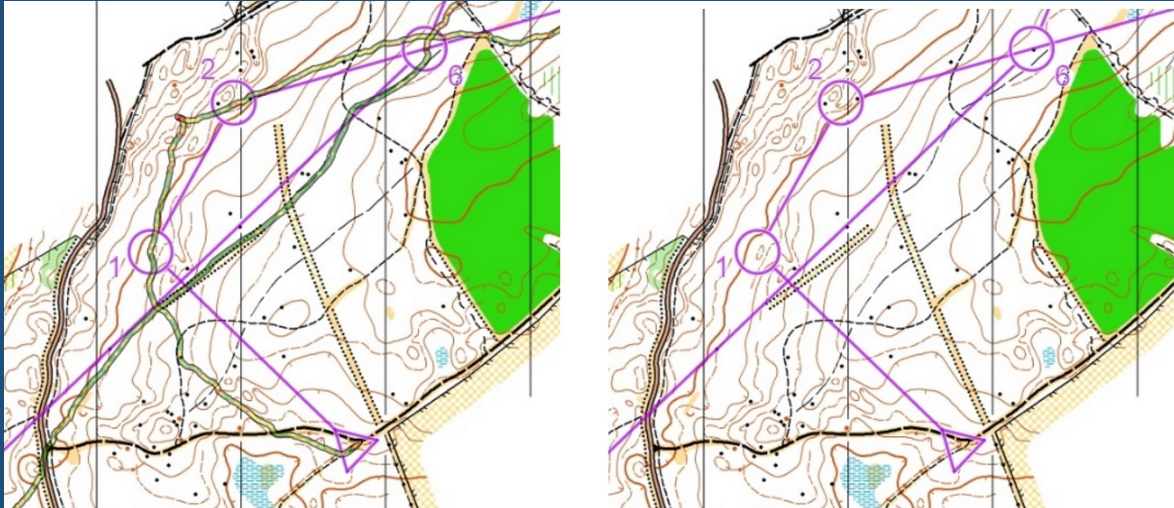
- Practice makes permanent
- Analysis, analysis, analysis
- Speed / accuracy trade-off
- Whole-part-whole
- Part-whole
- Part-method

## Experiential Learning Model





## Technical Analysis



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Any questions?