Optimising Problem Solving (RSD) pentagon

When in doubt, return to the centre

RSD pentagon is based on the six facets of the RSD as modified for Optimising Problem Solving (OPS) pentagon designed by Mechanical Engineering Communications Tutors, University of Adelaide, 2014.

See [www.rsd.edu.au](http://www.rsd.edu.au) for full version of RSD


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Clinical Reasoning Skills (CRS) pentagon
When in doubt, return to the centre

Process: Introduce, rapport, active listening, tone, questions, reassurance, patient autonomy, beneficence

Product: treatment as negotiated, instructions, warnings, consequences, informed consent,

Teasing out ideas, recognising trends, formulating hypotheses

Communicate & Apply constructive

Find & Generate determined

Organise & Manage harmonising

Evaluate & Reflect discerning

Recognise Patient needs empathetic

Analyse & Synthesise creative

Ordering of ideas may be done internally by experts. Novices may need help with how to organise ideas. Time, equipment management.

Take history Symptoms and signs Run diagnostic tests Speak to colleagues Search references, data bases.

Probing, searching for conflicts of information, relating to previous experience

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Active Cognitive Engagement (ACE) pentagon
When in doubt, return to the centre

ACE is based on the six facets of the RSD as modified for Optimising Problem Solving (OPS) framework designed by Mechanical Engineering Communications Tutors, University of Adelaide, 2014.
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Critical Thinking Development (CTD) pentagon

When in doubt, return to the centre

Critical Thinking Motivators (CTM) pentagon
When in doubt, return to the centre

CTD is based on the six facets of the RSD as modified for Optimising Problem Solving (OPS) framework designed by Mechanical Engineering Communications Tutors, University of Adelaide, 2014.
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To shrink
Embark & Clarify

Communicate & Apply

Find & Generate

Analyse & Synthesise

Organise & Manage

Evaluate & Reflect

Apply

Synthesise

Communicate & Apply

Find & Generate

Organise & Manage

Evaluate & Reflect

Communicate & Apply

Find & Generate

Organise & Manage

Evaluate & Reflect

Communicate & Apply

Find & Generate

Organise & Manage

Evaluate & Reflect