About Learning

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Topics / Take-aways

- Congruence
- Why we need to keep learning
- What we might need to learn
- How to start …
  - ◦ or continue

Congruence

Is about honouring

yourself,

the other people involved,

and

the context you are in

Based on learning from Jamie Ungerleider
Congruence – Jerry Weinberg, Virginia Satir

Continuous Learning

Curiosity

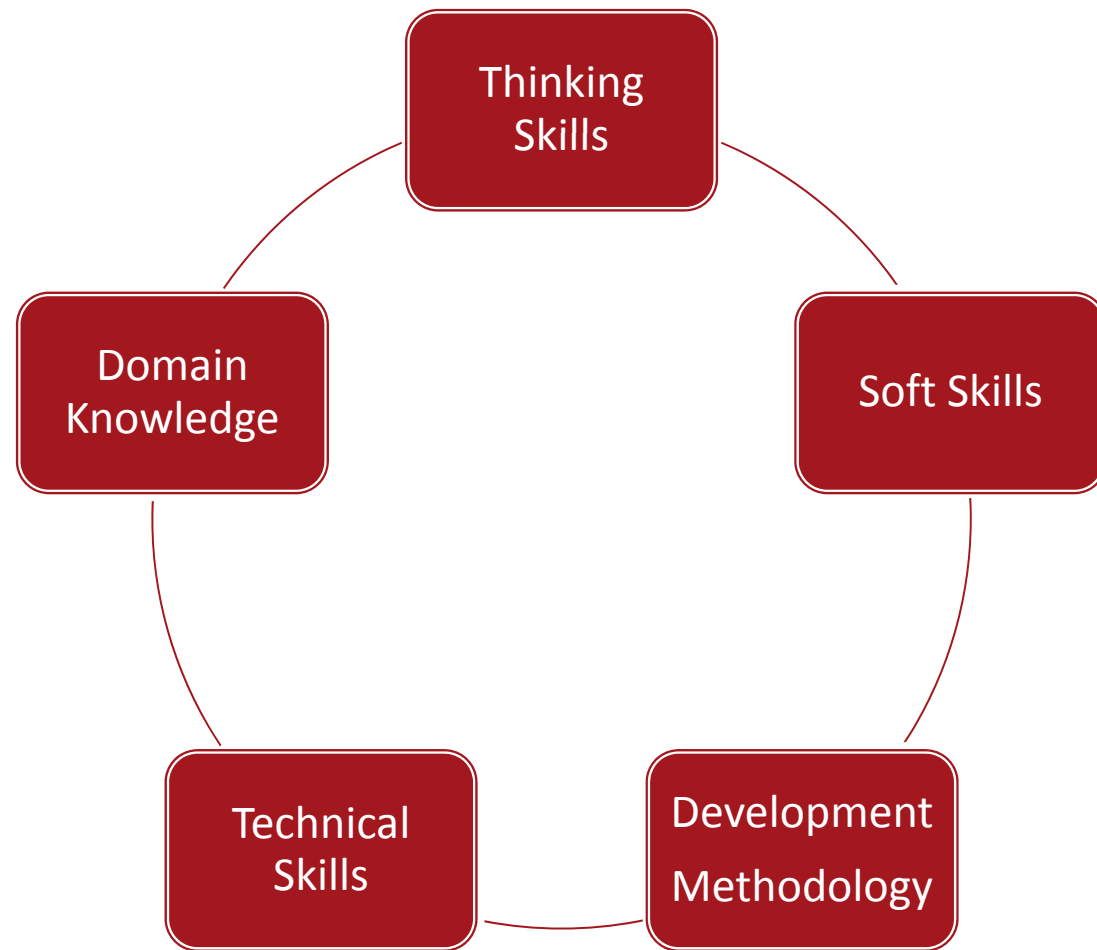# WHY?

Keep up with technology

Increase your skills

Versatility

Career Growth

Marketability

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What Skills do we Need?

- Thinking Skills
- Soft Skills
- Development Methodology
- Technical Skills
- Domain Knowledge

Problem Solving

Systems Thinking

Innovation

Observation

Communicating

- What did you say?

- What did you mean?

- What did I hear?

- Ask for examples

- What did I say vs. what did I mean?

Giving Feedback

- Be constructive
- Focus on the problem
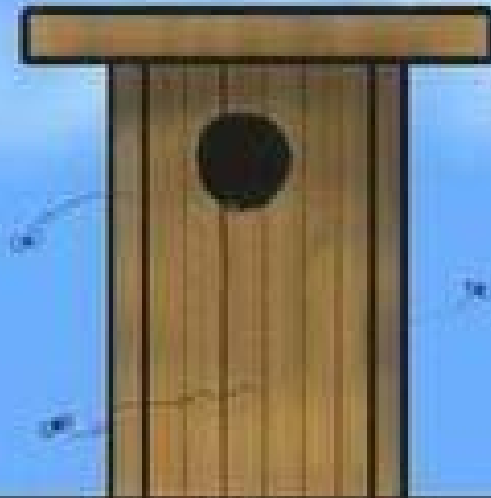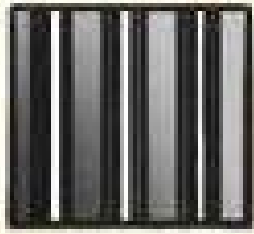 - Not the person
- Use stories; examples
- Listen

Collaboration means .....

- Working together

- Sharing ideas, and information
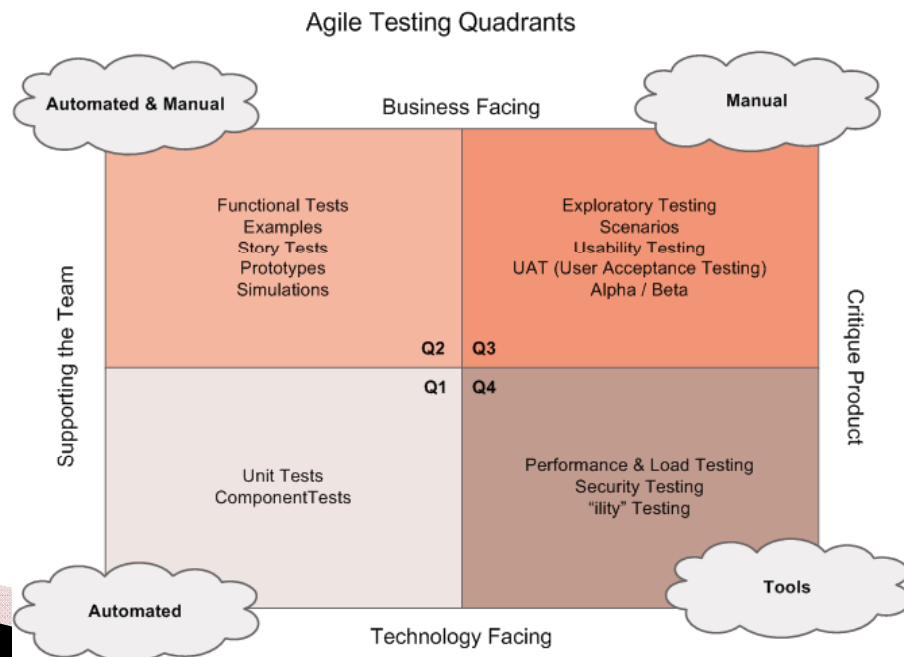
- Visibility

- Making decisions

- Finding solutions

Learn from our mistakes

Specific Skills

- Automation
- Vocabulary – software development
- Test design
- Metrics – how to get useful ones
- Tool usage

Agile Testing Quadrants

Automated & Manual	Business Facing	Manual
Functional Tests Examples Story Tests Prototypes Simulations	Exploratory Testing Scenarios Usability Testing UAT (User Acceptance Testing) Alpha / Beta	
	Q2 / Q3	
	Q1 / Q4	
Unit Tests ComponentTests	Performance & Load Testing Security Testing "ility" Testing	
Automated	Technology Facing	Tools

Supporting the Team

Critique Product

Tools in Your Toolkit

- 5 Whys
- Agile testing quadrants
- Brainstorming
- Estimating
- Heuristics
- Mind mapping
- Mnemonics

- Quality tools
- Root cause analysis
- Test design techniques
- Time management
- Tool evaluation techniques
- Test Driven Development

History of Learning

- In the past
  - Pre Industrial Revolution
  - Industrial Revolution
- Now and in the Future
- Information Age
- Life-long Learning

Where & How?

We think of
- Schools
- Universities
- Internships
- Books, articles
- Courses
- Certifications

Types of Learning

- Auditory
- Visual
- Experiential
  - Learn by doing
- Emotional

Safety

Where to Look – Outside Calgary

- Conferences
- Workshops
- On-line groups
- Webinars
- Courses
- Books, articles
- StickyMinds

Where to Look – Close to Home

- Give presentations ….
- Give and attend Lunch & Learns
- Join a community of practitioners
  - Within your organization
  - Locally
  - Internationally

We talked about ....

The Why!

◦ Career, versatility, marketability, technology

Skills Needed

- Curiousity, problem solving, systems thinking
- Collaboration, ability to give feedback
- Host of specific skills

How to start ...

◦ Thinking about how you learn, filters, safety

◦ Some ideas about where to look

Congruence

◦ Are you there?

It Starts with You

Ideas came from .....

- This is partly based on a two part article that Janet is co-authoring with Lisa Crispin
- Conversations between us and with Michael, Carol, and a host of others
- Jerry Weinberg & folks
- Look at some of the amazing things children can do – http://www.thehumanbody.ecsd.net/
- Some other ideas on my blog http://janetgregory.blogspot.com/

Books

- Agile Testing: A Practical Guide for Testers and Agile Teams, Lisa Crispin, Janet Gregory
- Quality Software Management 1-4, Gerald M. Weinberg
- Becoming a Technical Leader, Gerald M. Weinberg
- The New Peoplemaking, Virginia Satir
- Communications Gaps & How to Close Them, Naomi Karten
- What Did You Say, Seashore, Seashore & Weinberg(feedback)
- Powerful Project Leadership, Wayne Strider
- Six Thinking Hats, Edward de Bono

Links

- http://comment.rsablogs.org.uk/2010/10/14/rsa-animate-changing-education-paradigms/
- http://www.thehumanbody.ecsd.net/
- http://janetgregory.blogspot.com/
- www.satirglobal.org

Questions…