

# 21<sup>st</sup> Century Skills



**We must prepare for students future, Not for our past.**

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หลักสูตรศึกษาศาสตรดุษฎีบัณฑิตสาขาวิชาการบริหารการศึกษาศึกษา

มหาวิทยาลัยมหามกุฏราชวิทยาลัย วิทยาเขตอีสาน

# จุดมุ่งหมาย

- สํารวจ “นานาชาติศนะ” เกี่ยวกับทักษะสำหรับศตวรรษที่ 21 เพื่อนําสเนอเป็นสารสนเทศในการรับรู้ ทำความเข้าใจ วิเคราะห์ และสังเคราะห์ เป็นแผนผังความคิดของแต่ละรายและบูรณาการเป็นของทั้งกลุ่ม
- ชี ประเด็นความแตกต่างระหว่างทักษะสำหรับศตวรรษที่ 20 และศตวรรษที่ 21
- วิพากษ์ถึงจุดเด่นและจุดด้อยของทักษะที่เป็นจุดเน้นของการศึกษาไทยในปัจจุบัน และข้อเสนอเพื่ออนาคต
- ชี ประเด็นเพื่อเป็นพันธะสู่การปฏิบัติในส่วนที่เกี่ยวข้องของตนเอง
- ชี ประเด็นเพื่อการศึกษาเพิ่มเติมหรือการวิจัย



### Learning and Innovation Skills

- Creativity and Innovation
- Critical Thinking and Problem
- Communication and Collaboration

### Information, Media and Technology Skills

- Information Literacy
- Media Literacy
- ICT (Info., Communication and Technology) Literacy

### Life and Career Skills

- Flexibility and Adaptability
- Initiative and Self-Direction
- Social and Cross-Cultural Skills
- Productivity and Accountability
- Leadership and Responsibility

*Learn more at [www.p21.org](http://www.p21.org)*



# 21<sup>ST</sup> CENTURY SKILLS



## WAYS OF THINKING

1. Creativity and Innovation
  - Think creatively
  - Work creatively with others
  - Implement innovations
2. Critical Thinking, Problem Solving and Decision Making
  - Reason effectively and evaluate evidence
  - Solve problems
  - Articulate findings
3. Learning to Learn and Metacognition
  - Self-motivation
  - Positive appreciation of learning
  - Adaptability and flexibility

## WAYS OF WORKING

1. Communication
  - Competency in written and oral language
  - Open minded and preparedness to listen
  - Sensitivity to cultural differences when communicating
2. Collaboration and Teamwork
  - Interact effectively with others
  - Work effectively in diverse teams
  - Prioritises, plan and manage projects

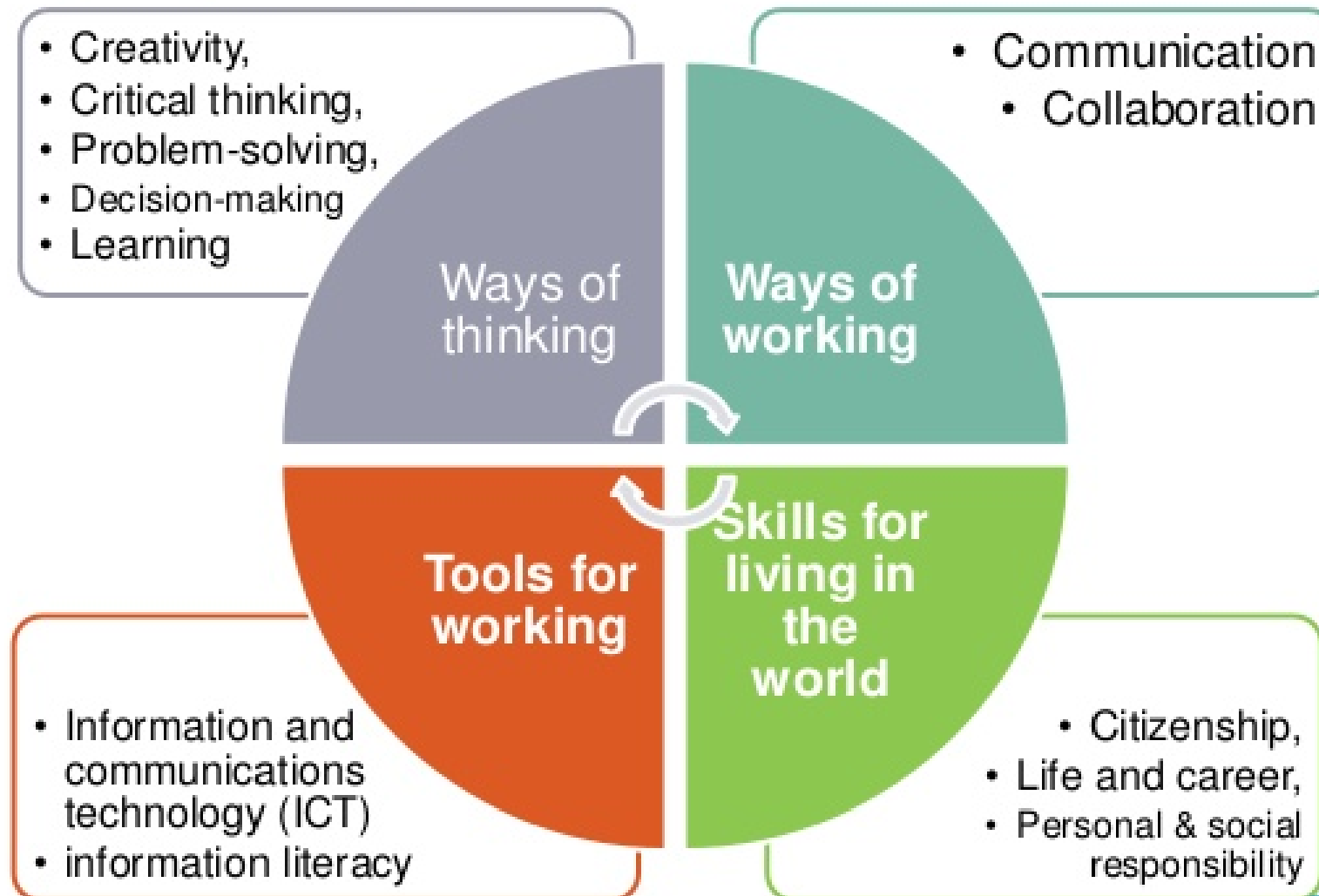
## TOOLS FOR WORKING

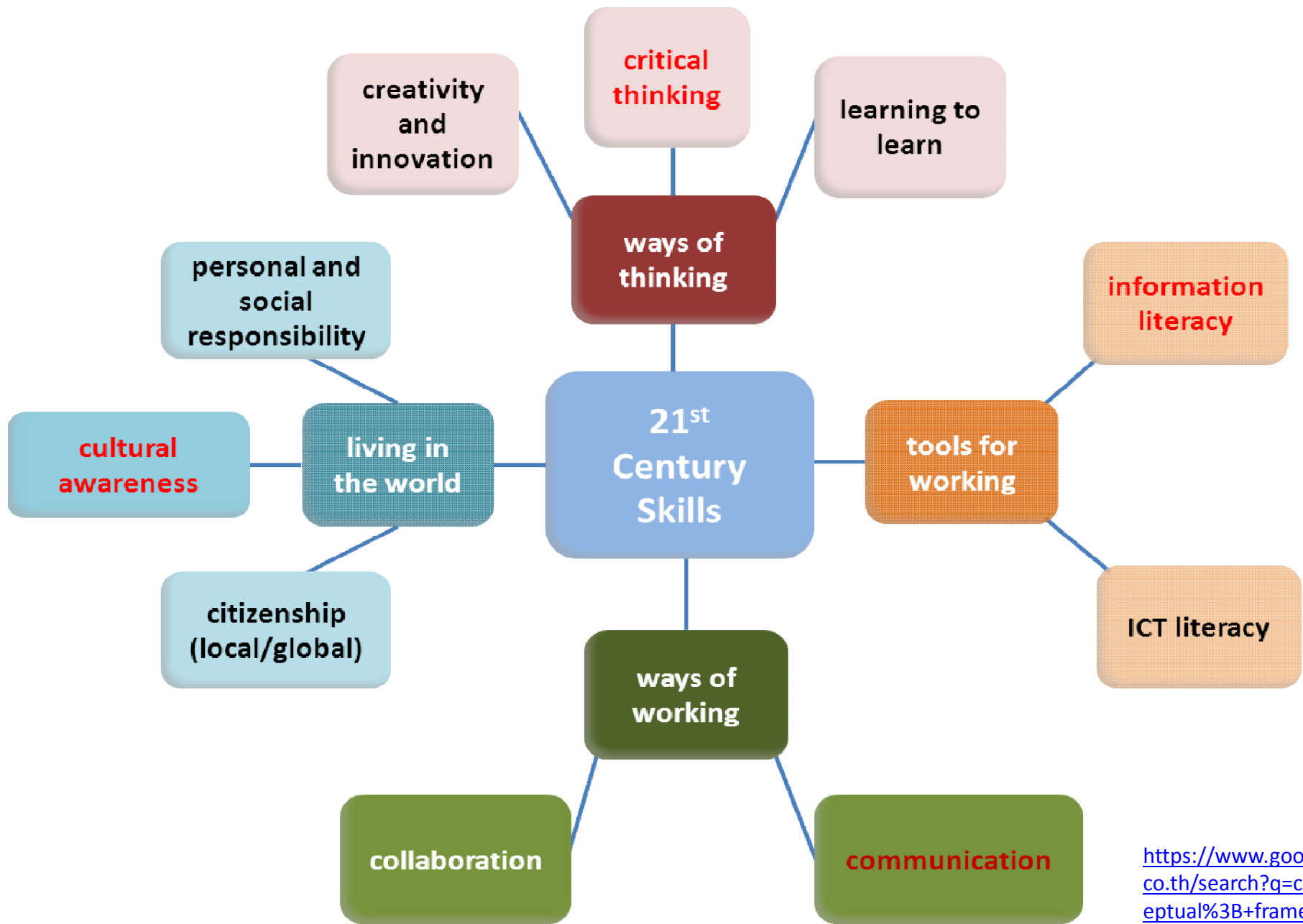
1. Information Literacy
  - Access and evaluate information
  - Use and manage information
  - Apply technology effectively
2. ICT Literacy
  - Open to new ideas, information, tools and ways of thinking
  - Use ICT accurately , creatively, ethically and legally
  - Be aware of cultural and social differences
  - Apply technology appropriately and effectively

## LIVING IN THE WORLD

1. Citizenship – global and local
  - Awareness and understanding of rights and responsibilities as a global citizen
  - Preparedness to participate in community activities
  - Respect the values and privacy of others
2. Personal and Social Responsibility
  - Communicate constructively in different social situations
  - Understand different viewpoints and perspectives
3. Life and Career
  - Adapt to change
  - Manage goals and time
  - Be a self-directed learner
  - Interact effectively with others

# FOUR CATEGORIES OF 21ST-CENTURY SKILLS





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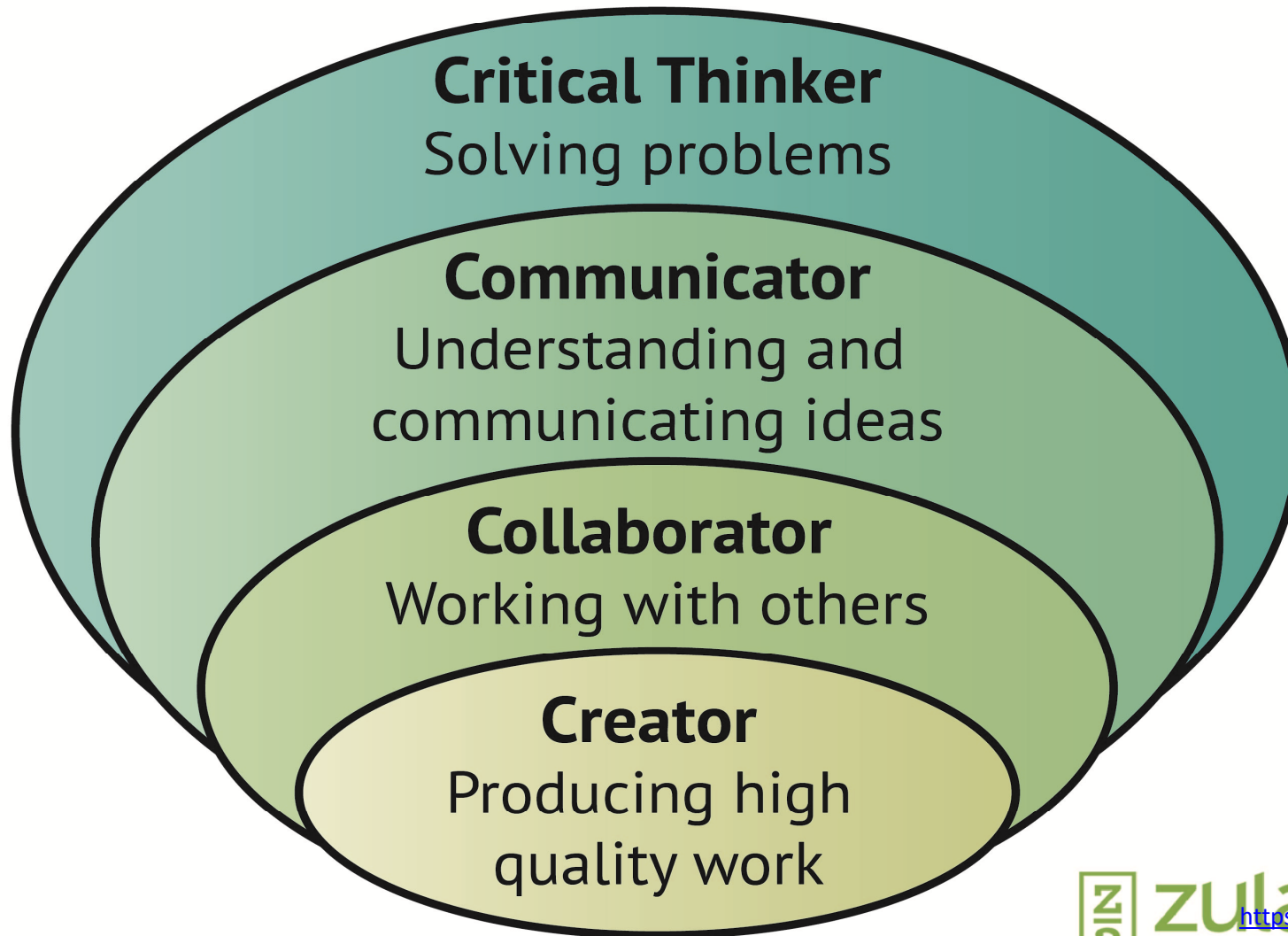
# 21st Century Skills



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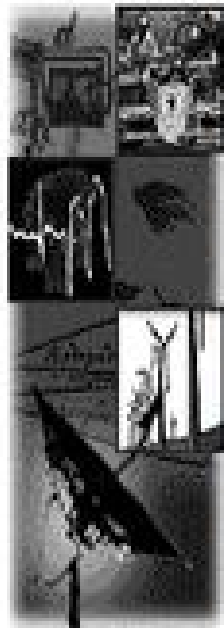
# The Four Cs of 21st Century Skills



# Skills Associated with 21st Century Learning

<b>Seven C's Categorized Underneath the 21<sup>st</sup> Century Skills</b> (Trilling and Fadel, 2009)	<b>Seven Survival Skills</b> (Wagner, 2008)
<p><i>Learning and Innovation Skills</i></p> <ul style="list-style-type: none"> <li>• Critical thinking and problem solving</li> <li>• Communications, information, and media literacy</li> <li>• Collaboration, teamwork, and leadership</li> <li>• Creativity and innovation</li> </ul> <p><i>Digital Literacy Skills</i></p> <ul style="list-style-type: none"> <li>• Computing and ICT literacy</li> </ul> <p><i>Career and Life Skills</i></p> <ul style="list-style-type: none"> <li>• Cross-cultural understanding</li> <li>• Career and learning self-reliance</li> </ul>	<ul style="list-style-type: none"> <li>• Critical Thinking and Problem Solving</li> <li>• Collaboration Across Networks and Leading by Example</li> <li>• Agility and Adaptability</li> <li>• Initiative and Entrepreneurialism</li> <li>• Effective Oral and Written Communication</li> <li>• Accessing and Analyzing Information</li> <li>• Curiosity and Imagination</li> </ul> <p style="text-align: right;"> <a href="https://www.google.co.th/search?q=conceptual%3B+frametwork&amp;espv=2&amp;biw=1600&amp;bih=775&amp;source=ln_s3">https://www.google.co.th/search?q=conceptual%3B+frametwork&amp;espv=2&amp;biw=1600&amp;bih=775&amp;source=ln_s3</a> </p>

# The Seven Cs – 21<sup>st</sup> Century Lifelong Skills



<b>Seven Cs</b>	<b>Component Skills</b>
<b>Critical Thinking-and-Doing</b>	Problem-solving, Research, Analysis, Project Management, etc.
<b>Creativity</b>	New Knowledge Creation, "Best Fit" Design Solutions, Artful Storytelling, etc.
<b>Collaboration</b>	Cooperation, Compromise, Consensus, Community-building, etc.
<b>Cross-cultural Understanding</b>	Across Diverse Ethnic, Knowledge and Organizational Cultures
<b>Communication</b>	Crafting Messages and Using Media Effectively
<b>Computing / ICT Literacy</b>	Effective Use of Electronic Information and Knowledge Tools
<b>Career &amp; Learning Self-reliance</b>	Managing Change, Lifelong Learning and Career Redefinition

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# 21<sup>st</sup> Century Skills

- ✓ Creativity
- ✓ Critical Thinking
- ✓ Communication
- ✓ Collaboration
- ✓ Commitment

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## 21st century skills

Leadership

Digital literacy

Communication

Emotional intelligence

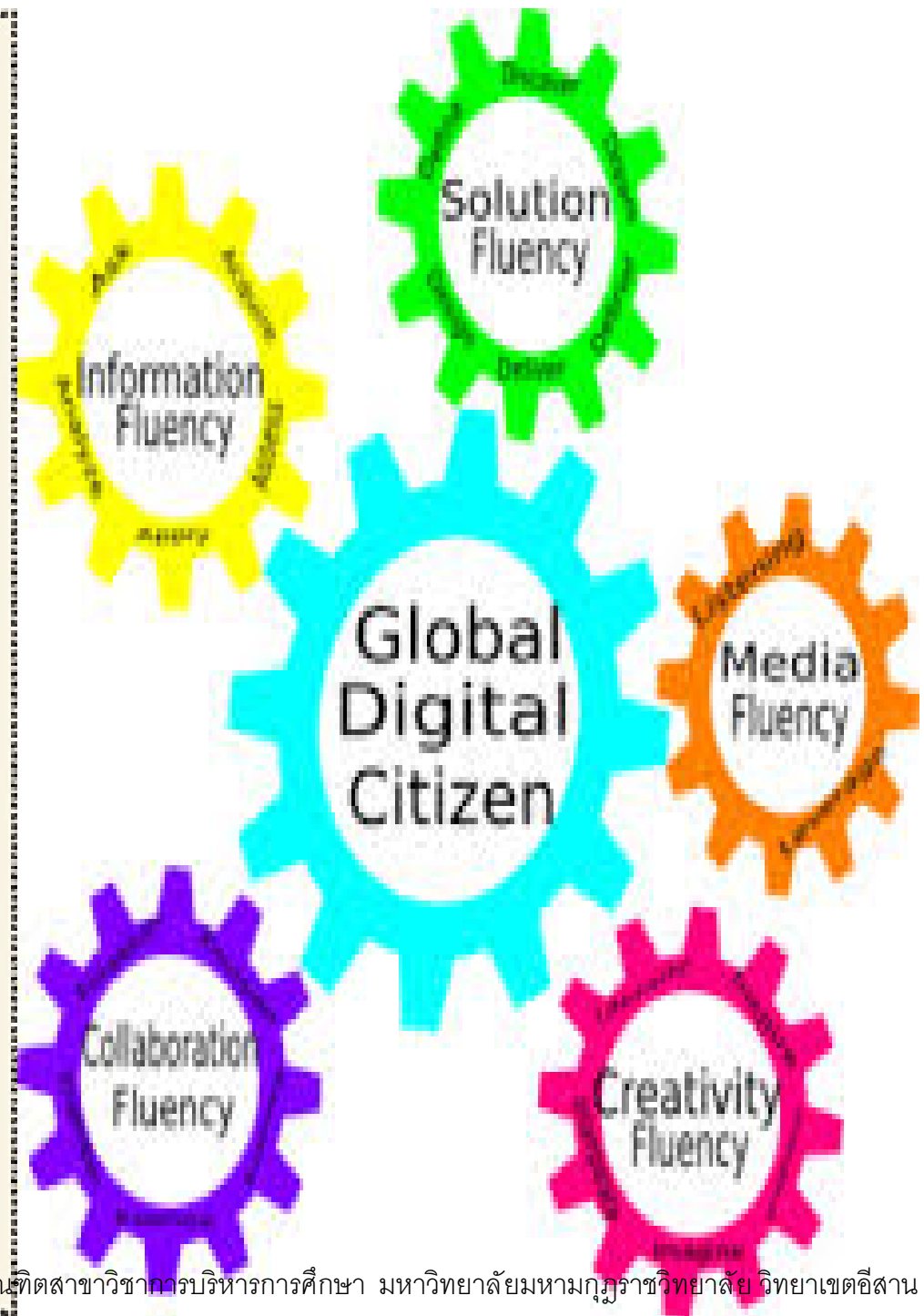
Entrepreneurship

Global citizenship

Problem-solving

Team-working

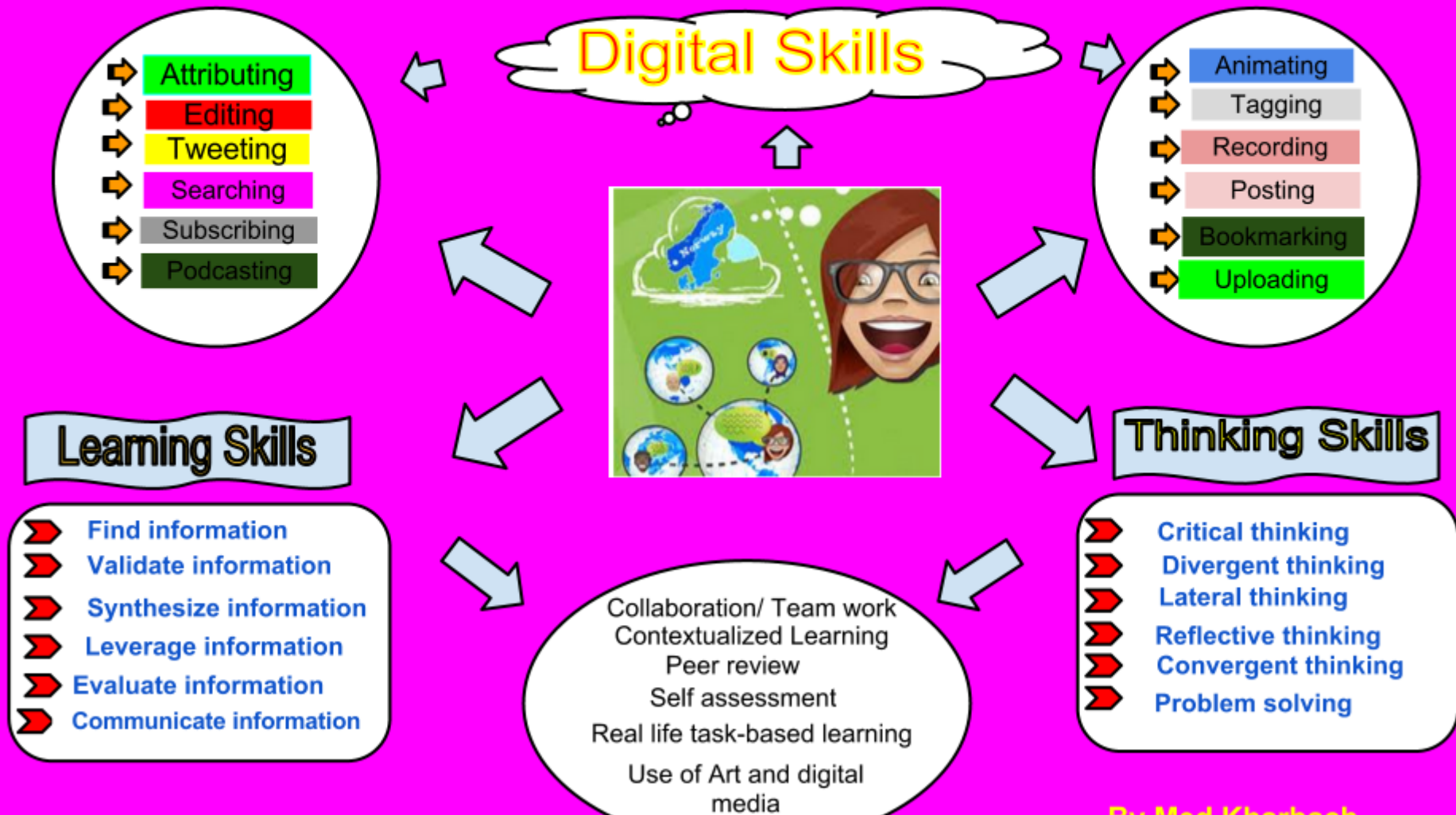
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# Students' Skills in The 21st Century Education

<https://www.google.co.th/search?q=conceptual%3B+framework&es>

[www.educatorstechnology.com](http://www.educatorstechnology.com)



By Med Kharbach

# การสังเคราะห์หรือการวิจัยเพื่อพัฒนาตัวบ่งชี้ทักษะศตวรรษที่ 21

