

# Social and emotional development and assessment

Patrick Griffin

Assessment and teaching of 21<sup>st</sup> century skills



High Level Policy Forum on Skills for Social Progress



# WHAT ARE 21<sup>ST</sup> CENTURY SKILLS?

## WAYS OF THINKING

- Creativity and innovation
- Critical thinking, problem-solving, decision-making
- Learning to learn/metacognition (knowledge about cognitive processes)

## TOOLS FOR WORKING

- Information literacy
- Information and communication technology (ICT) literacy

## WAYS OF WORKING

- Communication
- Collaboration (teamwork)

## WAYS OF LIVING IN THE WORLD

- Citizenship - local and global
- Life and career
- Personal and social responsibility – including cultural awareness and competence

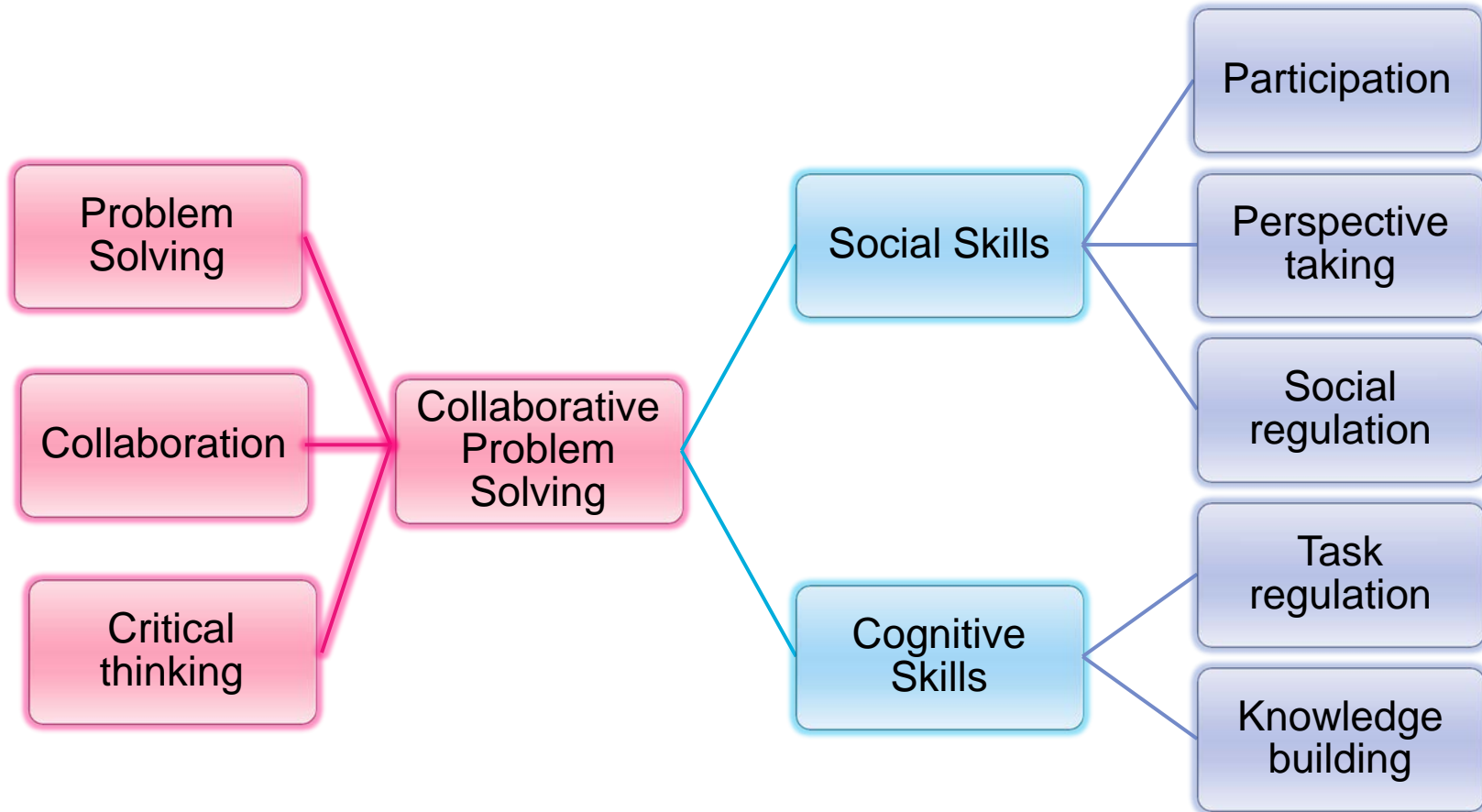
# Assessment in the 21<sup>st</sup> century

1. In-formative,
2. Interactive,
3. Instant feedback
4. Internet based and
5. Interventionist



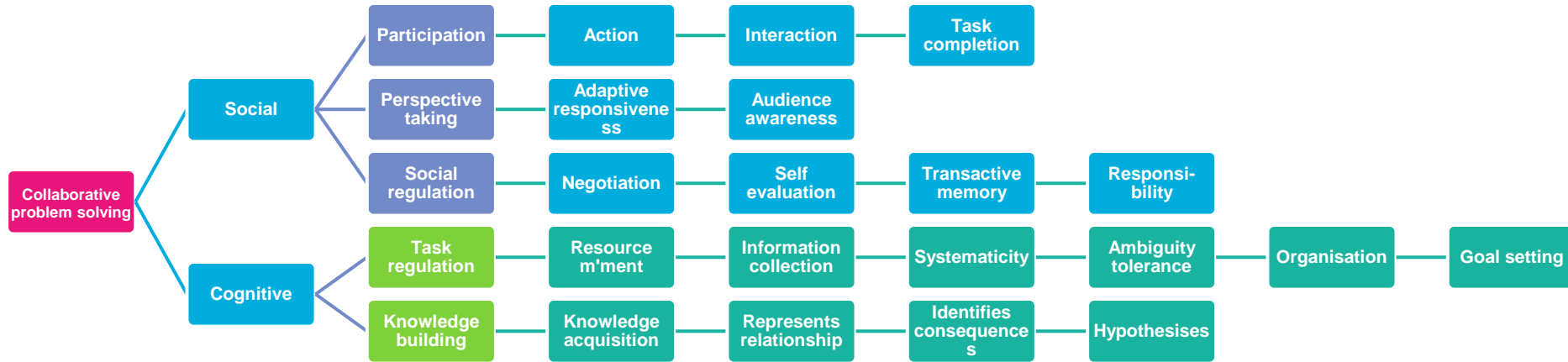
Perhaps the most challenging dilemma for teachers today is that routine cognitive skills, the skills that are easiest to teach and easiest to test are also the skills that are easiest to digitise, automate and outsource.... A generation ago teachers could expect that what they taught would last for a lifetime of their students. Today when students can access information on Google...education systems need to place much more emphasis on enabling individuals to be lifelong learners, to manage complex ways of thinking and complex ways of working that computers cannot take over easily. (Schleicher, 2011)

# Collaborative problem solving



Collaborative learning  
Team work      Cooperative learning  
Group work

# Collaborative problem solving



# The Task Bank



You

*Need partner*



Partner



Poetry

Not started yet



Laughing Clowns

Not started yet



Light Box

Not started yet



Balance

Not started yet



Plant Growth

Not started yet



Game of 20

Not started yet



Hot Chocolate

Not started yet



Small Pyramids

Not started yet



Sunflower

Not started yet



Hexagons

Not started yet



Warehouse

Not started yet



Shared Garden

Not started yet



Olive Oil

Not started yet



Arctic Trek

Not started yet



Survey

Not started yet

# The ATC21S System

An  
integrated  
system

- Assessment task bank
- Automatic scoring
- Developmental progressions
- Reporting modules
- Professional development online



# Lev Vygotsky



- Learning as a social process
- New ways of reporting
- New ways of teaching



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# REPORTS


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Select the type of report you would like to produce by clicking on a radio button, then select other options from the drop down menus and then click *Make Reports*.


### Learning Readiness Report

**Student name:** student1061  
**Student code:** aus1031  
**Year level:** 6  
**Subject:** Cognitive  
**Test date:** 30 November, 2011  
**School:** Assessment Research Centre  
**Country:** Australia





### Student Profile Report



**Student name:** student1061  
**Year level:** 6  
**Subject:** Assessment Research Centre  
**Country:** Australia  
**Test date:** 30 April 2012

**Name:**   
**Age:**

*Current level descriptions for student*

**Name:** Level 11 - Evaluation of information. Students create their own information and make decisions about it. They are able to evaluate the quality of information and make decisions about it.

**Age:** Level 10 - Shared effort identifying resources and creating the information. Students plan their strategy together. They readily share information and experiment with different approaches. A single step approach is used to gather information and explore various actions.

**Name:** Level 9 - Directed effort. Students discuss available resources and actively request information from one another to create a common information base. Students try out new approaches.

Most recent scores for student  
 Selected most recent scores for student

**Class Report:**

**Profile Report:**

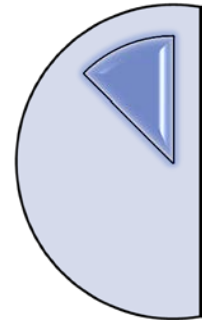
**Make Reports**

# The ATC21S System

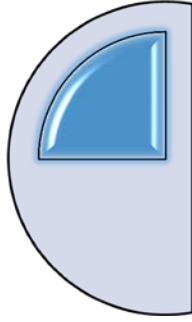
## Next steps

- Access and Use
- Validation studies
- Expanded resources
- Links to mainstream curriculum
- Other 21<sup>st</sup> century skills

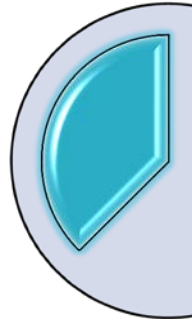
# Action Emerging



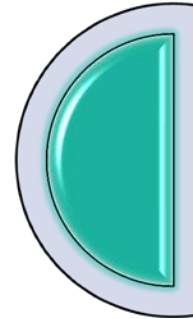
Melbourne/  
ATC21S



Governments  
and  
universities



International  
Testing  
Council (SIG)



ATC21S  
Research  
consortium)

Australia (task format, ability mix, intervention)

Singapore (Curriculum Fit)

Costa Rica (Latin American Hub for ATC21S)

Finland (Teacher Education)

Netherlands, (student engagement)

USA (Berkley and Wested)

Taiwan TaichungU -explicit teaching)

Thailand (social and economic links [Business school, CMU])

Hong Kong\* (HKU, HKIE)

Korea\* (measurement and intervention- direct teaching)

Chile\* (direct teaching of cognitive and social skills)

China\* and Victoria\* (social interactions)

Luxembourg (format of tasks)

# Action Emerging

## Harvard C21 Diversity Study

- Universities in...
- Chile
- India
- Israel
- Singapore
- Mexico
- China
- Uganda
- South Africa
- (others to be recruited/confirmed)

