

Developing Students as Systems Thinkers

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A photograph of several students sitting at a table, focused on their work. One student in the foreground is wearing a purple top and is writing on a piece of paper with a white marker. Other students are visible in the background, some looking at their papers and others resting their heads on their hands. The scene is brightly lit, suggesting a classroom or workshop environment.

The Teach For All Global Conference

October 21st–23rd, 2019 | Yervan, Armenia

**HOW CAN WE PREPARE STUDENTS
TO SHAPE A CHANGING WORLD?**

Developing Students as Systems Thinkers

Session October 21st, 2019, Yerevan,

Experiences from Maglegårdsskolen School, DK | MIT/J-WEL, Center for System Awareness

Center for Systems Awareness



J-WEL

Abdul Latif Jameel World Education Lab

Compassionate Systems Framework

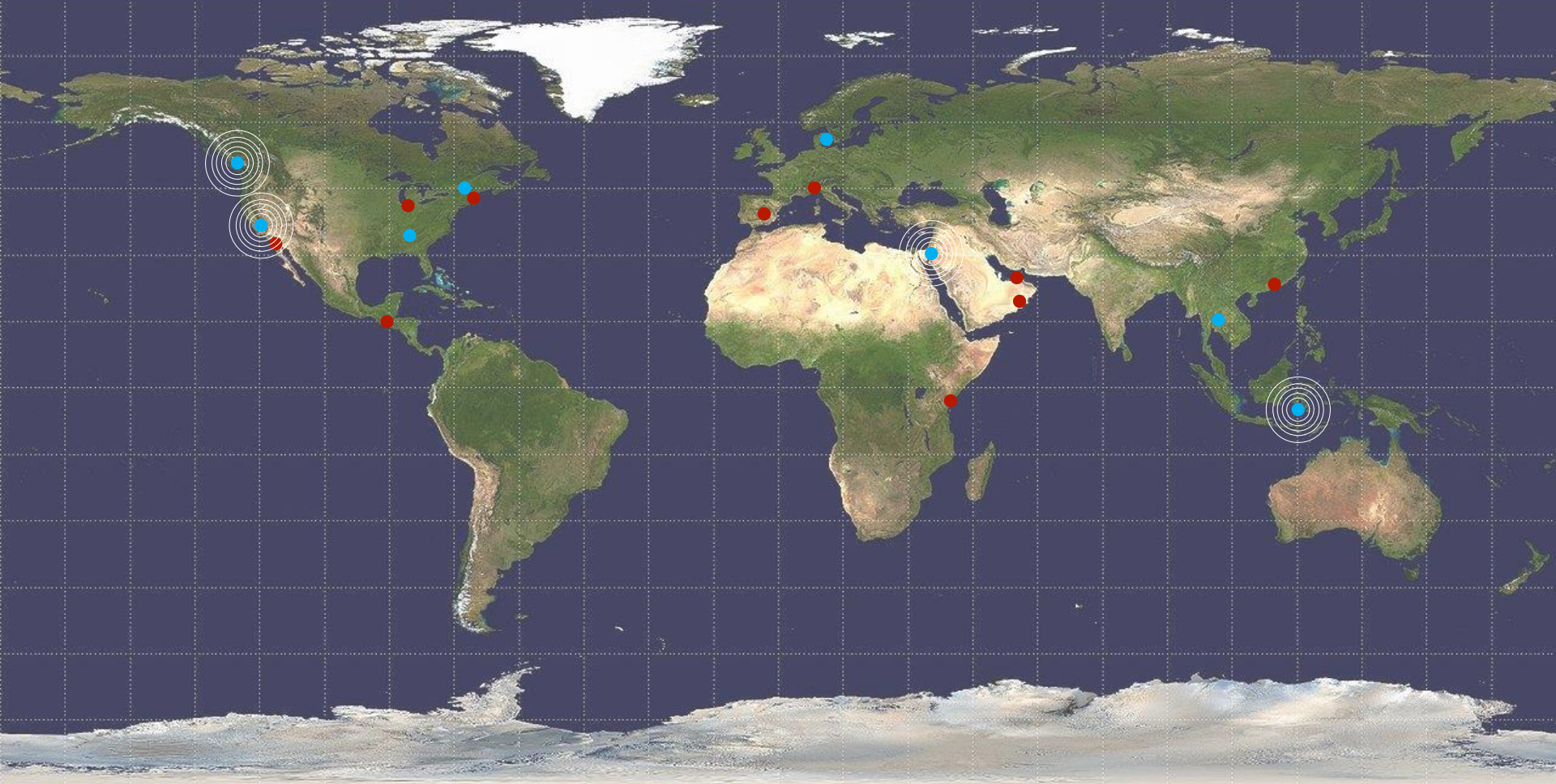
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session

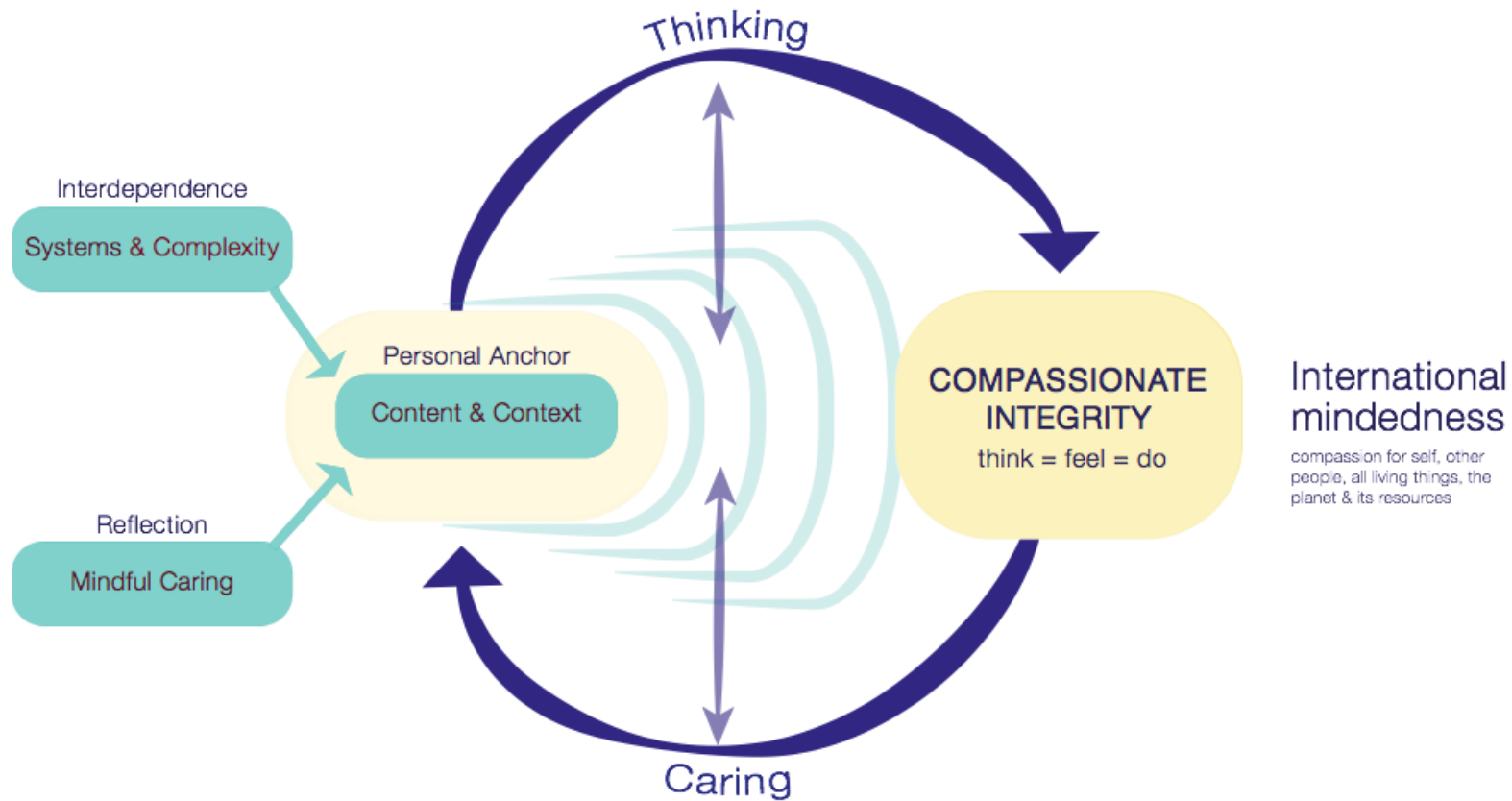
Developing Students as Systems Thinkers

Monday 21st October 15:45 – 17:00

Overview	
Introduction	5 min
Compassionate systems Framework Introduction to the approach MIT/J-wel organizational journey at our school (Maglegårdsskolen) Why is it important/relevant in the context of preparing students to shape a changing world What are the basic aspirations How does this play out in a the context of a school. With students	20 min
Experiential pieces - Ladder of inference example of system tool – short practice - Check in example of compassionate system practice. Personal and group reflections – opportunity to think about possibilities of application in one's own context and share thoughts with peers. Leading to ↓	30 min
Open conversation - Q&A About what's on the minds in the moment. Possibility to double-click on models, mindsets, journey, learnings? w/ potential participation of students (if technical aspects of livestreaming allows for it)	20 min



Compassionate Systems Framework • October 2019 • Katrine Rose Dam Eskebjerg, Kristian Gomes Bindslev



Compassionate Systems, Internationale Mindedness Compassionate Integrity • Developed with IB

Compassionate Systems Framework

@ Maglegaardsskolen School, Denmark

Public school in Gentofte, Greater Copenhagen, Denmark

700 students

1st - 10th grade (age 6-16 years)

80 teachers

Working with an 'organical implementation' of
Compassionate Systems since may 2016

Also a certified Unicef Rights Respecting School

With units developed on (e.g.):
UN Convention on the Right of the Child
UN Sustainable Development Goals



Speakers

Katrine Rose Dam Eskebjerg, teacher
Kristian Gomes Bindslev, vice principal

Representing Compassionate Systems Framework, master practitioners, MIT/J-Wel, Center for System Awareness



Compassionate Systems Framework

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Our journey

working with implementation of Triple Focus / CSF since may 2016

Prototype 2016 → 2018: 1 grade level – 70 students – one team of 10 teacher.

Capacity building, slowly, organically, sharing experiences & frustrations, pedagogical development, adapting concepts for class room use & to the language of kids. Observed impacts and effects: academic performance – school climate – student motivation – student well being

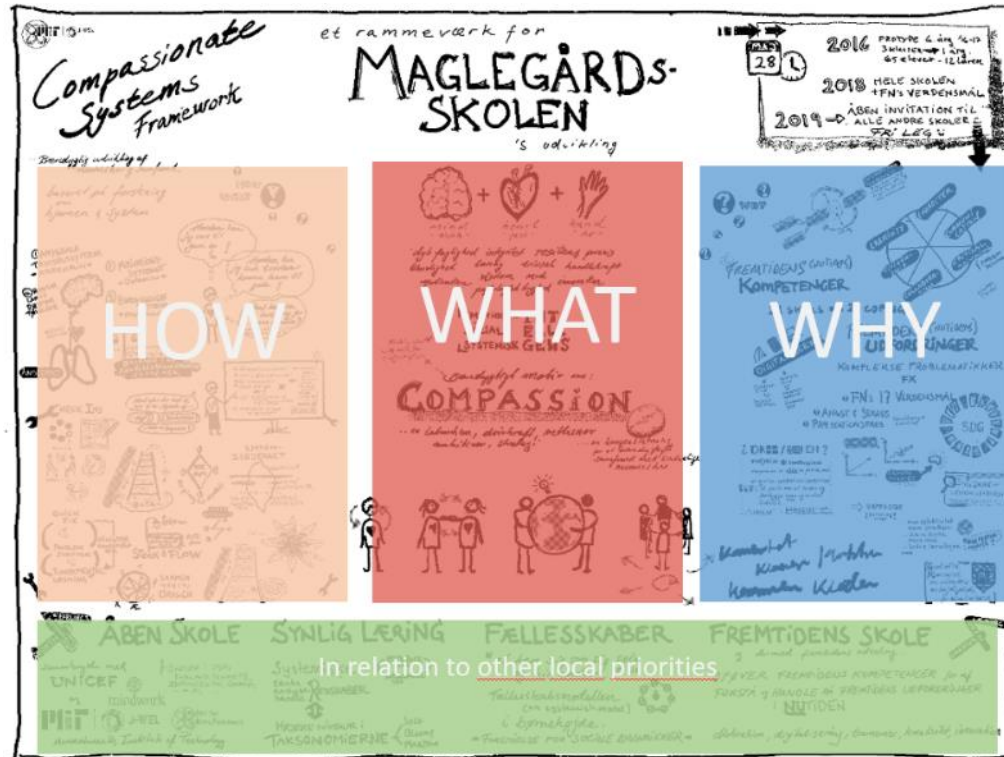
All class rooms 2018 → 2019: 0.-9.grade – in team's own speed. Student ambassador group

Anchored in working with SDGs, in subjects and curriculums as systems thinking tools for reflection and learning; high level taxonomy & team performance

Aspirations moving forward: Whole organization approach – further capacity building from within - community building – fostering a local hub – contributing to global initiatives

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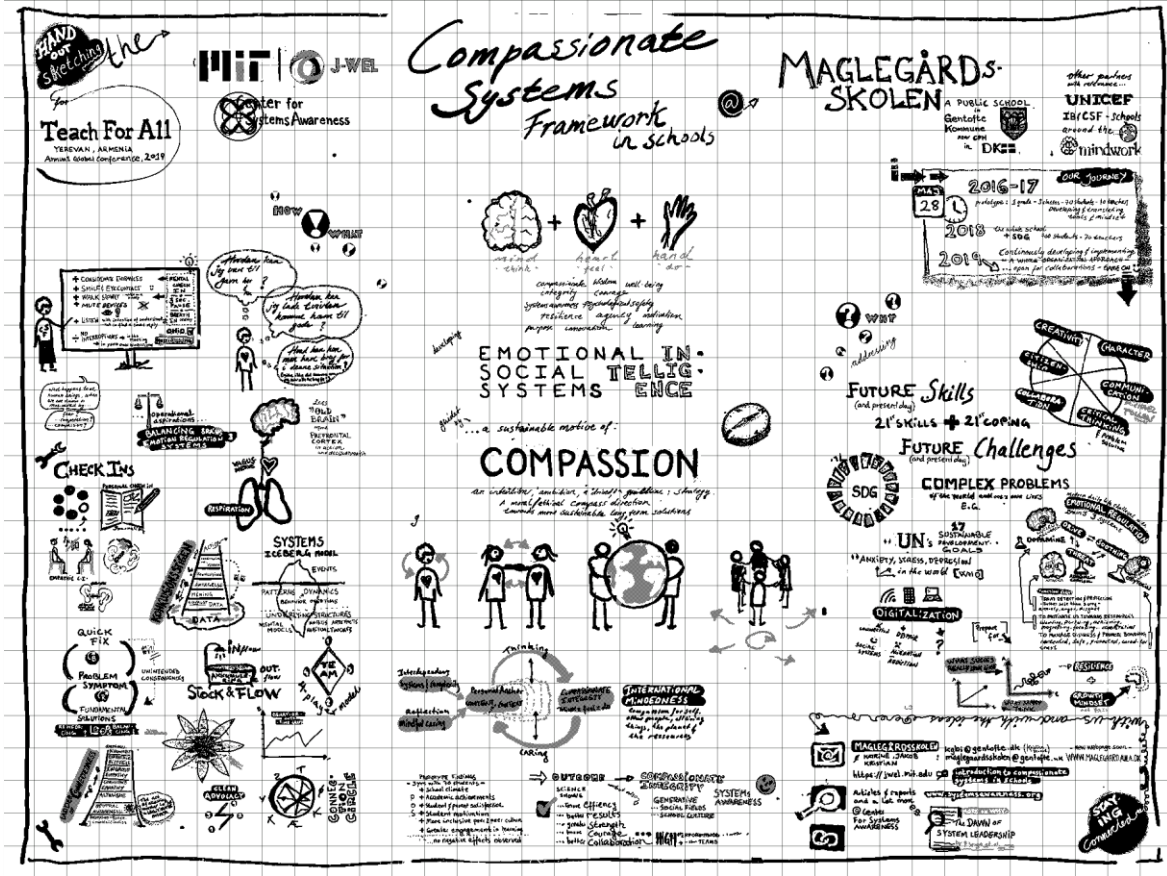
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The many narratives ...

Compassionate Systems Framework

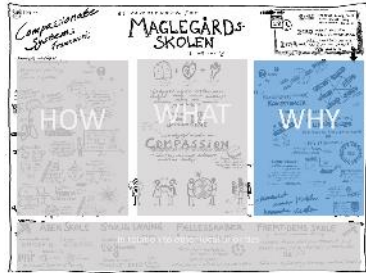
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The many narratives ...

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The world's most important to do list

Less short term – more long term thinking
Foundation for sustainable innovation and leadership
Using *new brain* to correct wrongs of *old brain*

... to shape the change for at better world

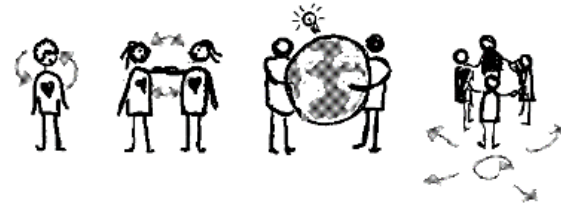
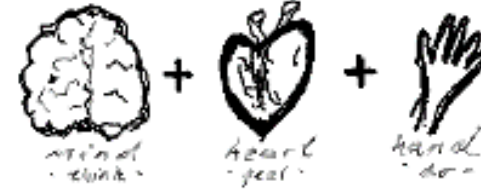


SUSTAINABLE DEVELOPMENT GOALS
17 GOALS TO TRANSFORM OUR WORLD



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International mindedness

Sense and understanding of connectedness
interconnectedness – interdependence

fostering

Emotional intelligence

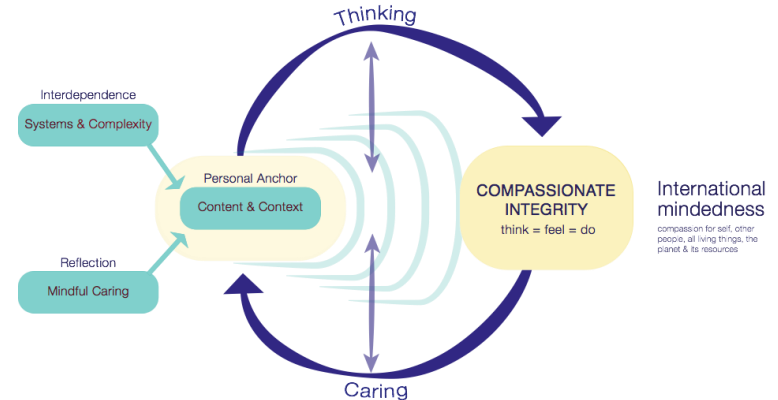
Social intelligence

Systems intelligence

Intention/motive of Compassion

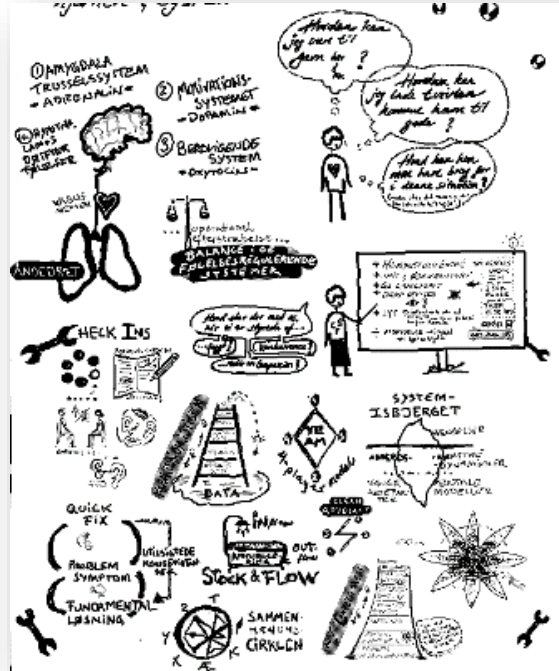
Compassionate integrity

Vision in our context: Applied In all areas – all levels of organization; Locally ↔ globally



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Tools and practices

Reflection - focusing
Mindful caring

Interconnectedness
Systems & complexity

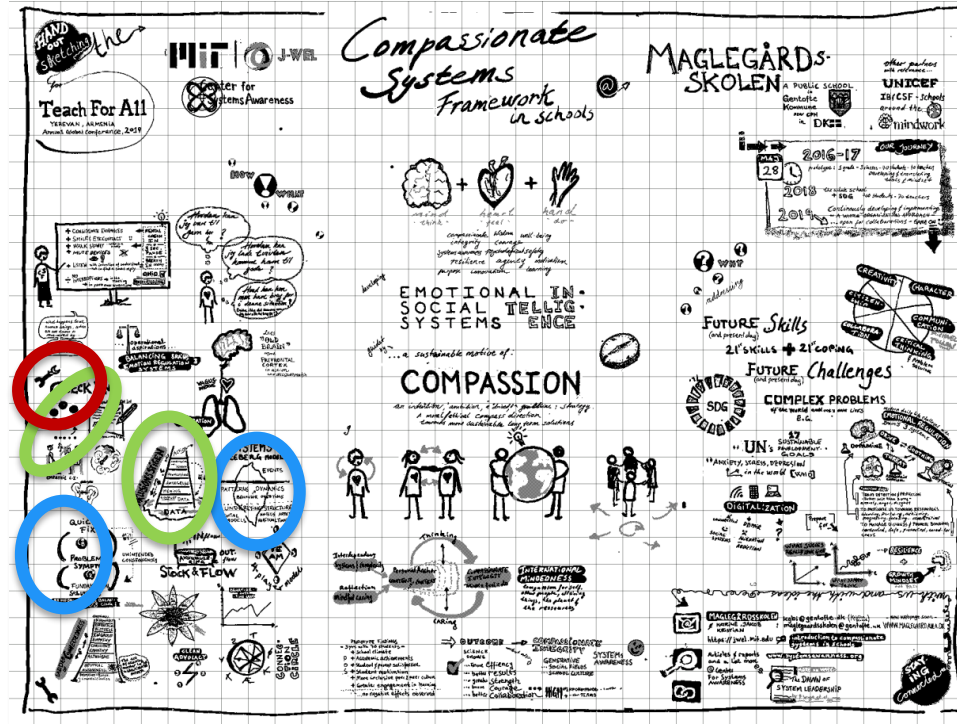
Systems awareness
thinking and sensing

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Examples
... students

Examples
... let's walk
the talk
together



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Video, example of cultivation of systems awareness
"color check-in" 3.grade

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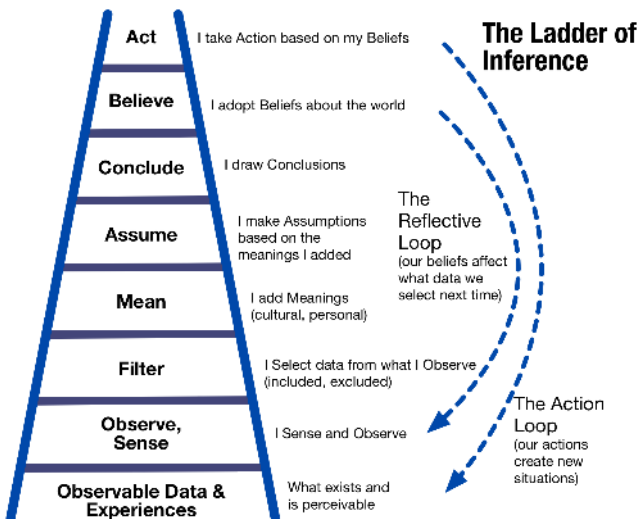
Video, example of systems mapping and thinking
System Iceberg – Shifting the burden - 8. grade

Experiencing ...

Ladder of inference

Example of systems thinking tool

...exists in various representations. Quick googling:



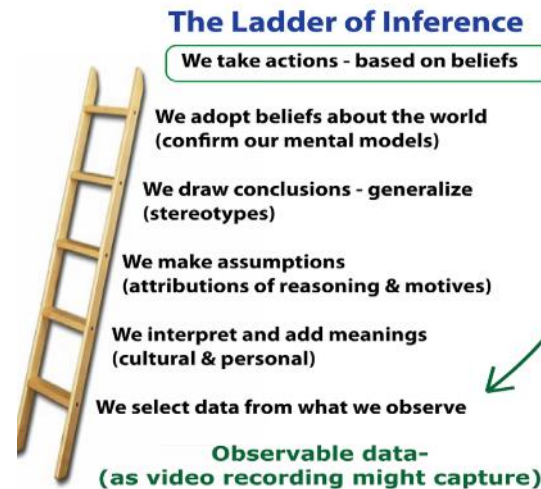
Adapted from Peter Senge's book *The Fifth Discipline Fieldbook*. Copyright 1994

<http://www.cour.org/resources/blog/my-role-again.html>



CHART BY STEPHANIE CROWLEY
WWW.THECHRYSALISOLUTION.COM

<http://thechrysalis.org/2017/12/15/our-mental-models-can-improve-our-schools/>



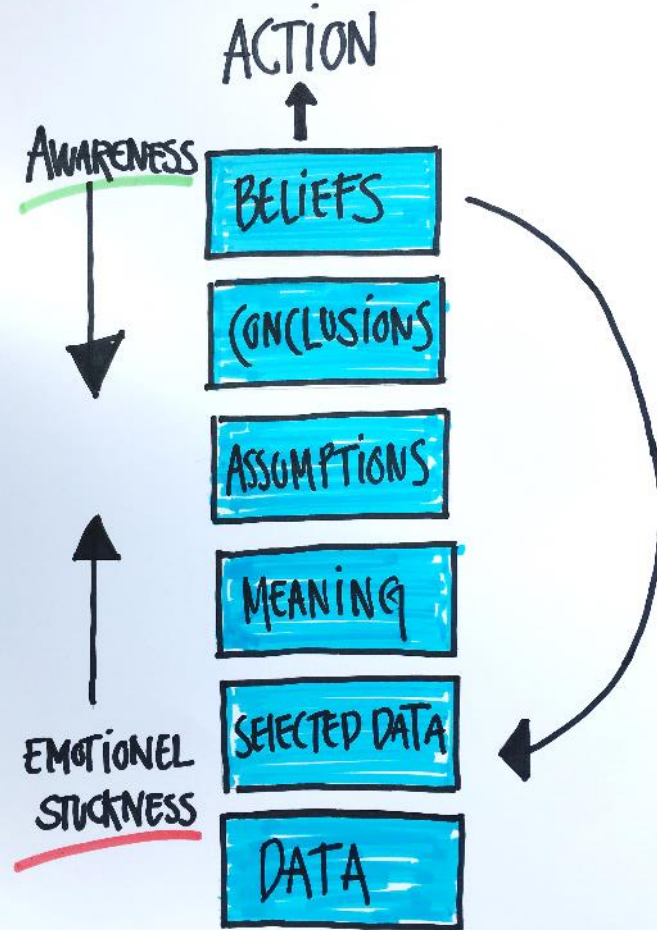
from Peter Senge - *Schools that Learn*

<http://www.teachforall.com/teachforall360.com/NetPage/2014/02/2011-Conceptual-Modeling.pdf>

Experiencing ...

Ladder of inference

Example of systems thinking tool



Experiencing ...

Check in

Guided meditation

Personal reflection

Group check in



Compassionate Systems Framework

How can we prepare students to shape a changing world?



Open conversation – Q&A



While taking next steps towards the future, consider asking yourself:

“ what could be one action for me to take in order to apply this in my own context? ”

More on Compassionate Systems in schools ...

https://jwel.mit.edu/sites/mit-jwel/files/assets/files/intro-compassionatesystemsframework-march-2019_o.pdf

Suggested further reading ...

<https://www.systemsawareness.org/resources/>

Contact Maglegårdsskolen School / Kristian and Katrine

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UP NEXT

COMMUNITY VISIT BRIEFING

Our logistics team and Teach For Armenia colleagues will prepare us for the visits tomorrow

17:00 – 17:30

UNPROGRAMMED TIME

Take a break!

17:30 – 18:30

TRANSIT TO DINNER

Meet in the Marriot Main Hotel Lobby to take a bus to dinner

18:30

Teach For All

A Global Network



Enseñax Argentina
Sumate al compromiso



TEACH FOR BANGLADESH

TEACHfor BELGIUM



eCh>
enseñachile



enseña
POR COLOMBIA

TEACHFIRST
DANMARK



le choix de l'école



TEACHFORINDIA

חיות
TEACH FIRST ISRAEL

TEACH FOR JAPAN



Enseña por México



TeachFirst
Ako Mātātupu NZ

TEACHFORNIGERIA



ENSEÑA
POR PANAMÁ



TEACHFORUGANDA



TeachFirst

TEACHFORAMERICA



TEACH FOR VIETNAM
Giảng dạy vì Việt Nam