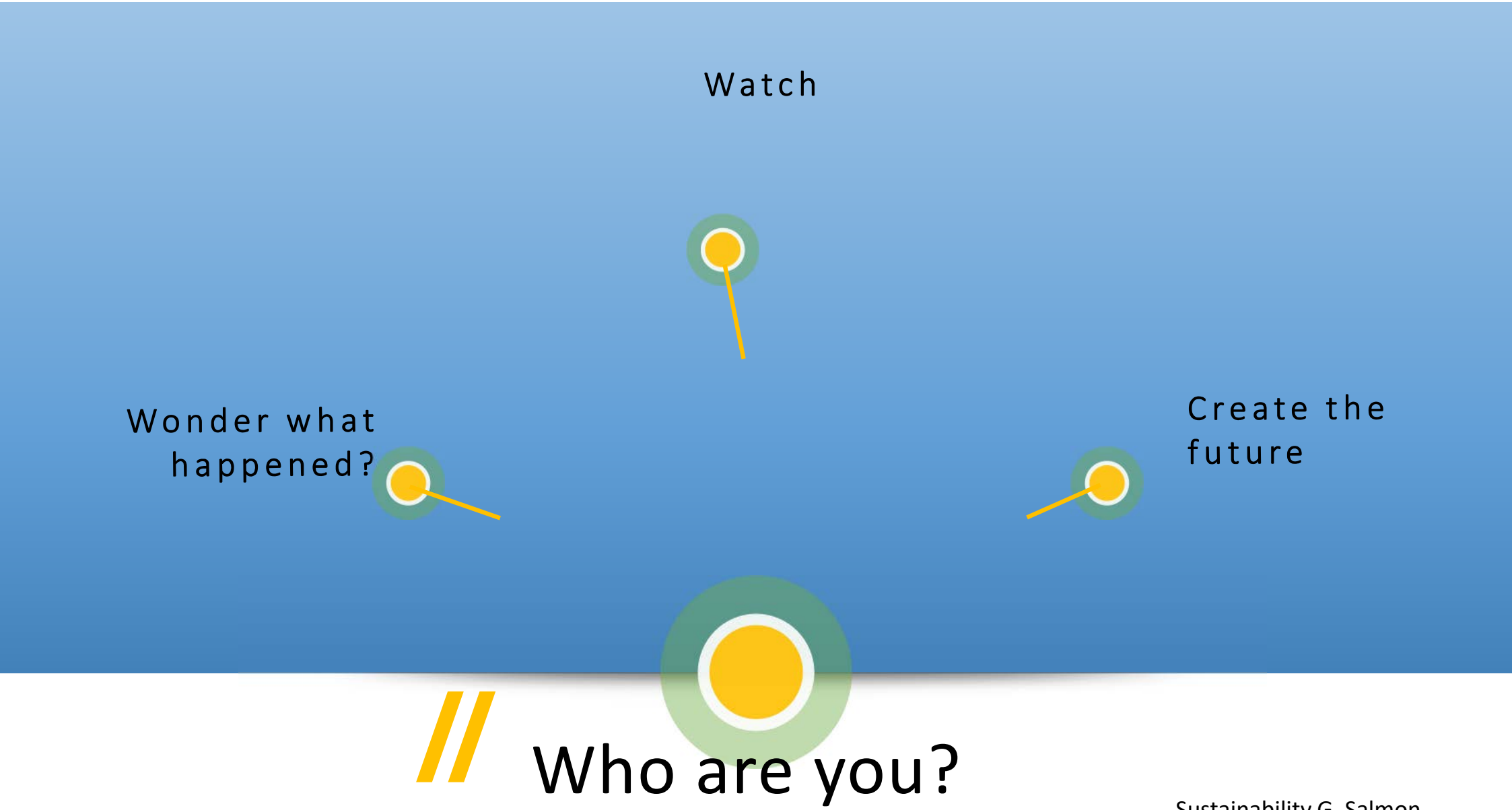
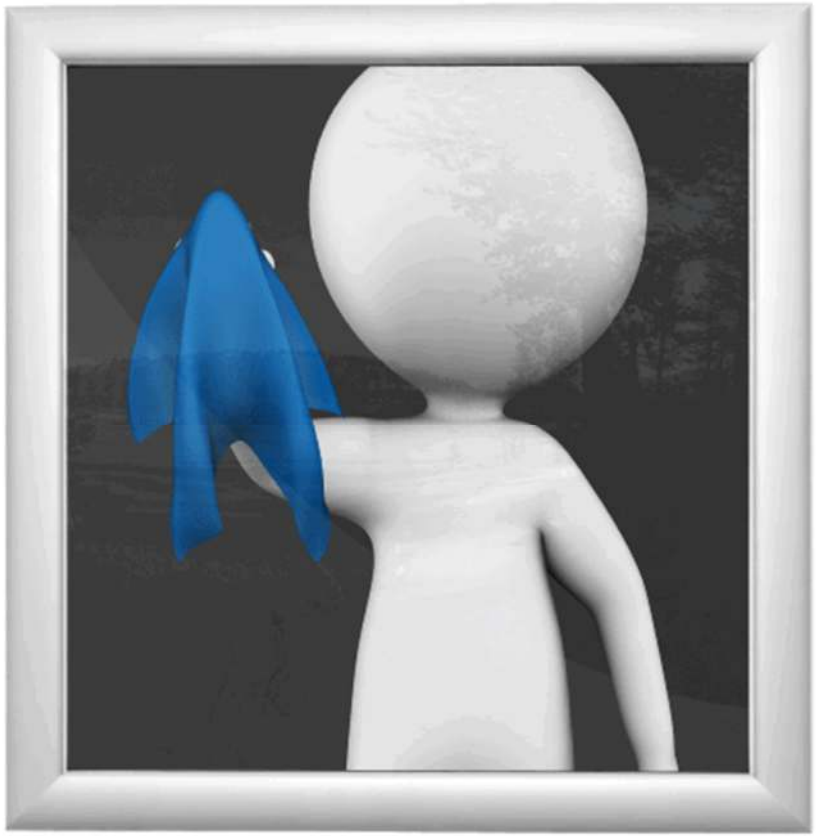
Shifting to sustainability: New Digital Futures

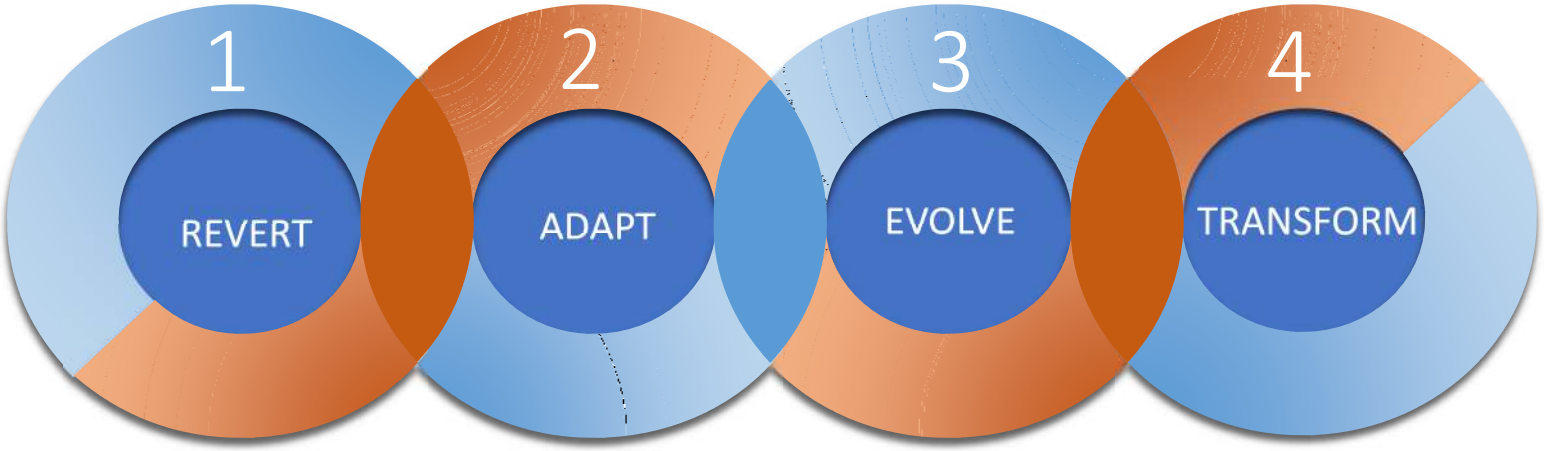
Professor Gilly Salmon



Who are you?



What NEXT?



vevox
Audience Engagement

Join at vevox.app

Or search Vevox in the app store

ID: 139-394-722

Join: **vevox.app** ID: **139-394-722** POLL OPEN

From now onwards do you think ATU teaching, learning and assessment should ...

Choose one of the following:

1. Revert
   0%
2. Adapt

   7.14%
3. Evolve

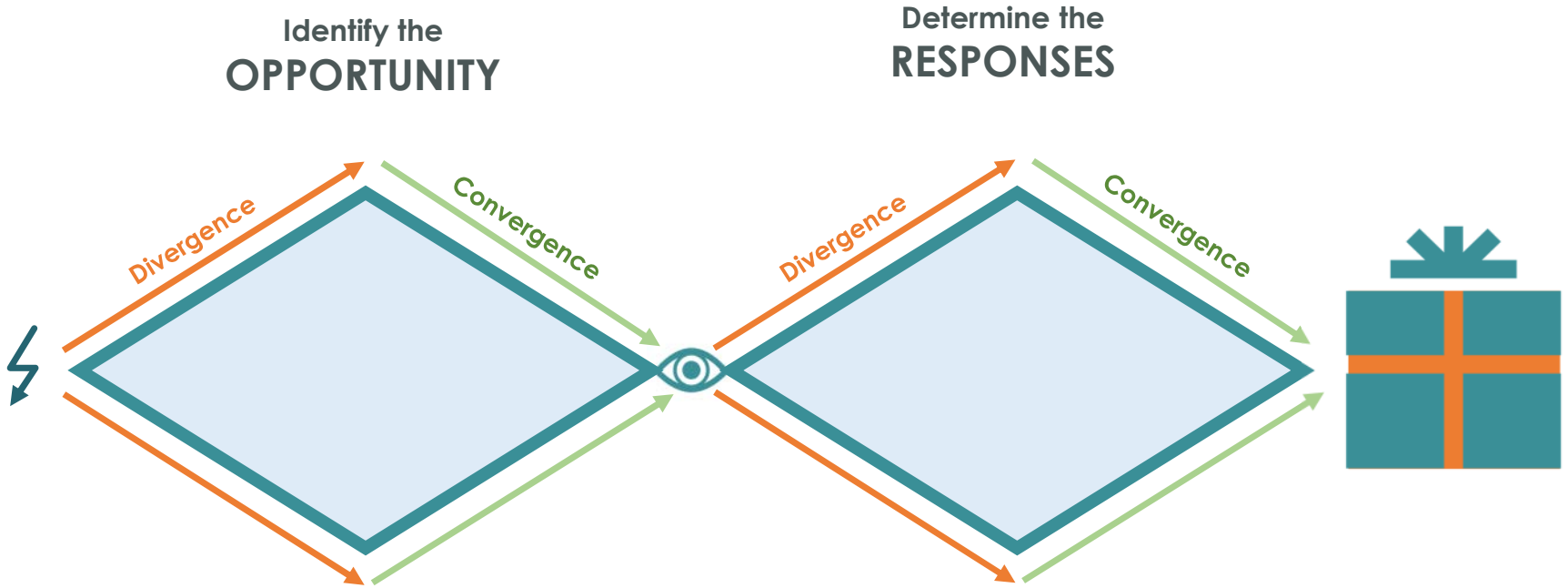
   50%
4. Transform

   42.86%

Sustainability for higher education

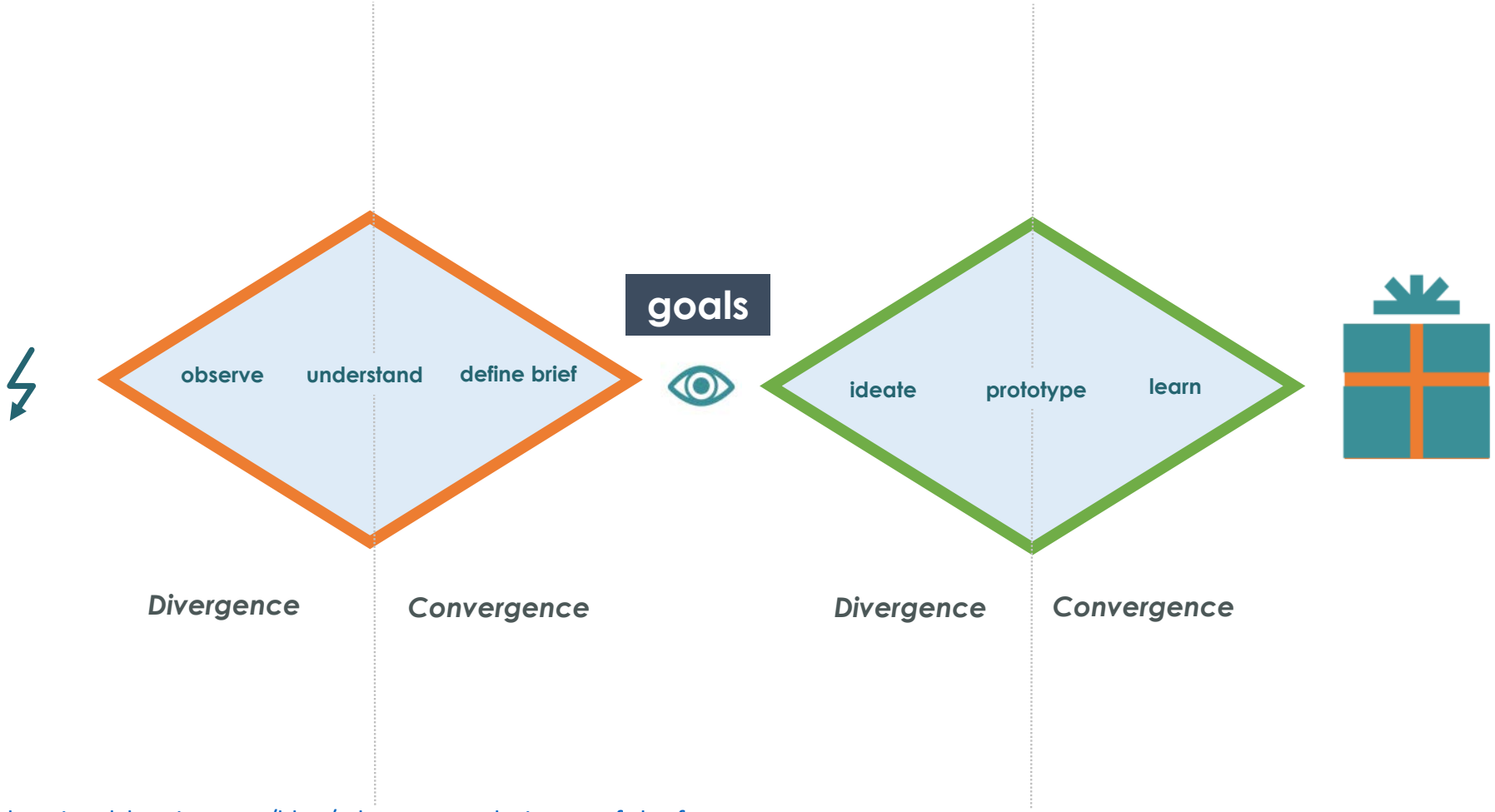
Shifting to sustainability
G. Salmon DigitalEd.

Diagram 1 – DESIGN THINKING



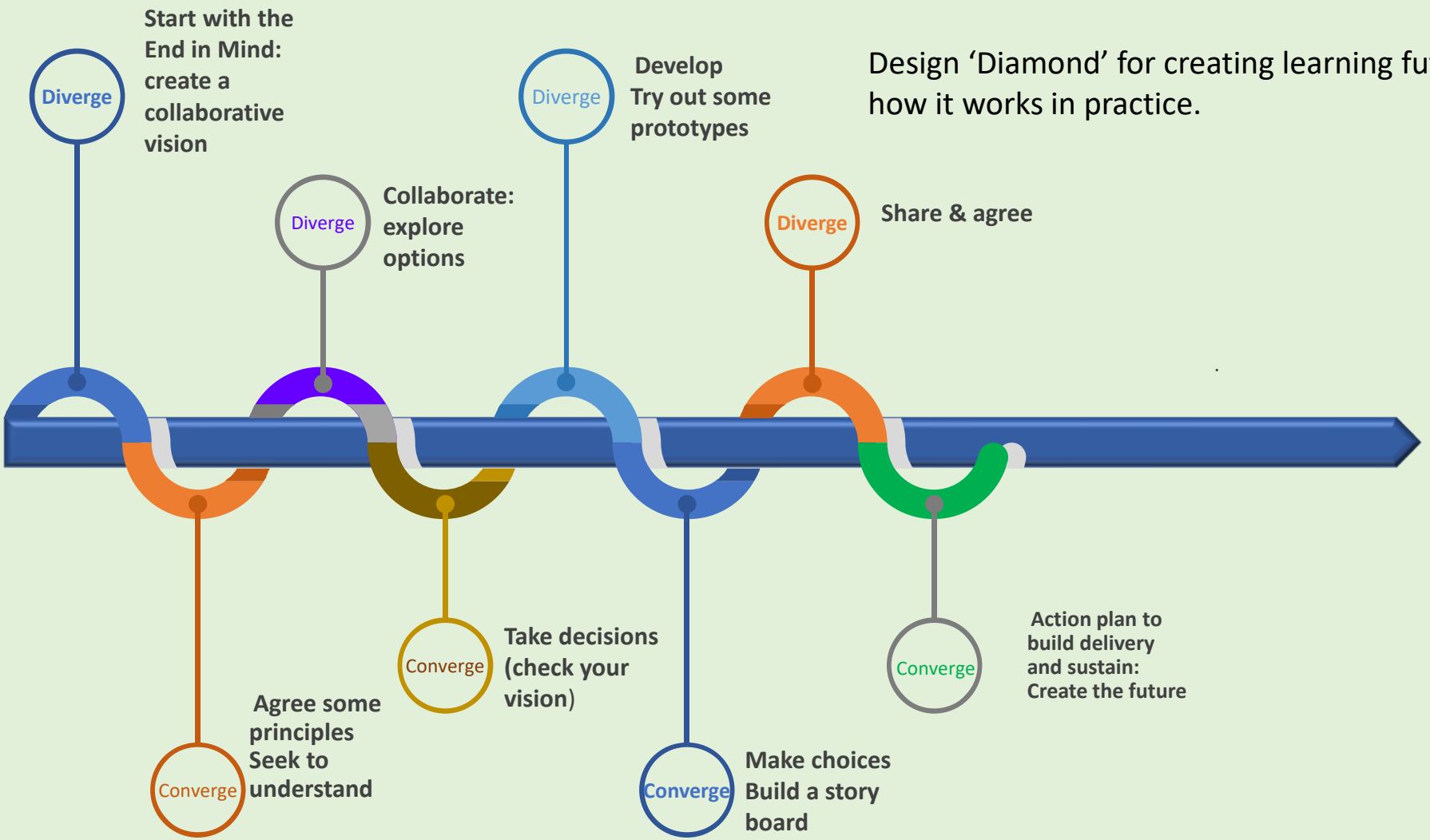
https://www.educationalchemists.com/blog/educators-as-designers-of-the-future

Diagram 2 – Co-DESIGN– actions



www.educationalchemists.com/blog/educators-as-designers-of-the-future

Design ‘Diamond’ for creating learning futures: how it works in practice.



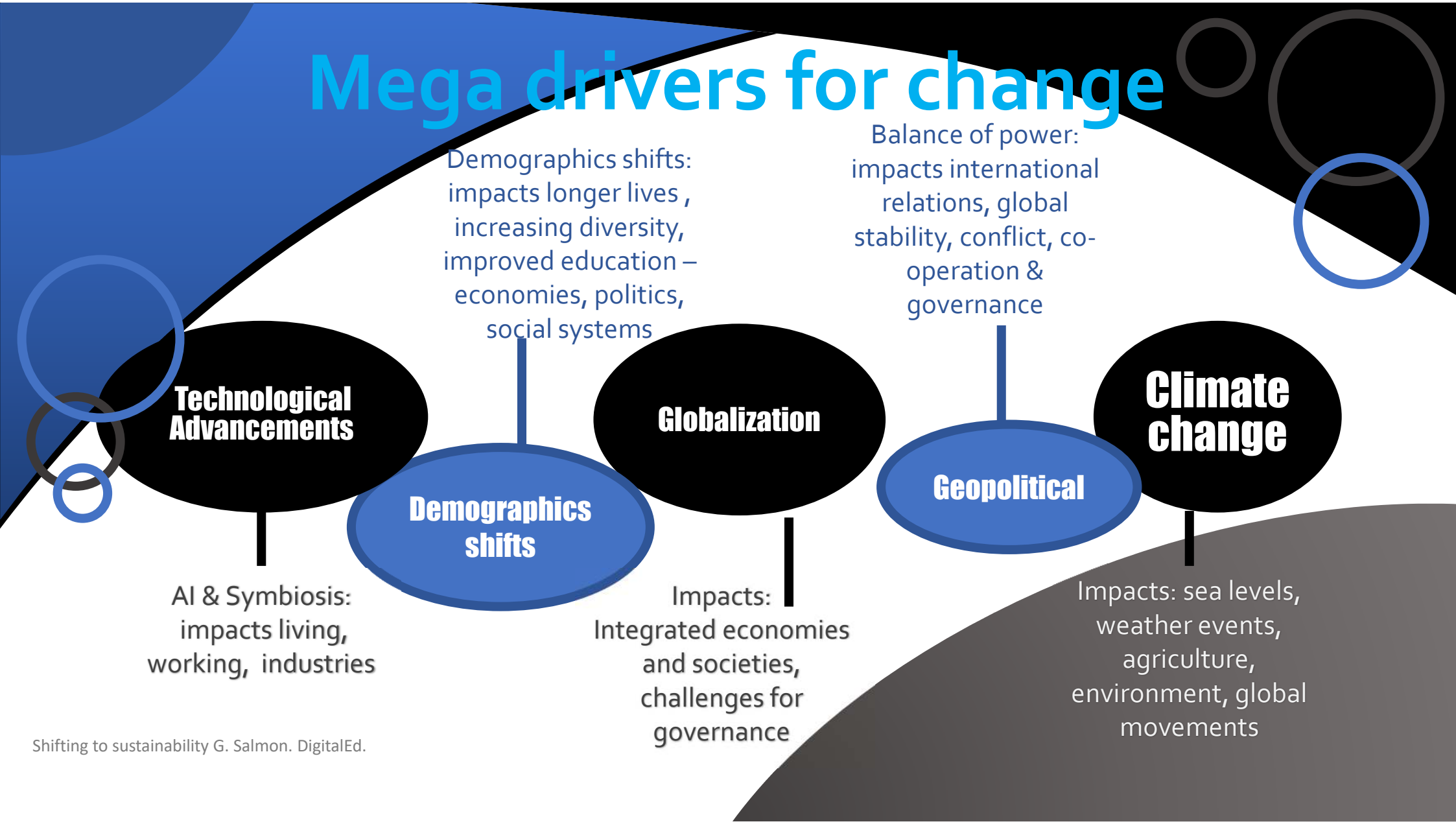
Learning Design for transformation and sustainability

www.gillysalmon.com/carpe-diem
https://www.educationalchemists.com/services.html

Carpe diem learning design

www.gillysalmon.com/carpe-diem

Mega drivers for change



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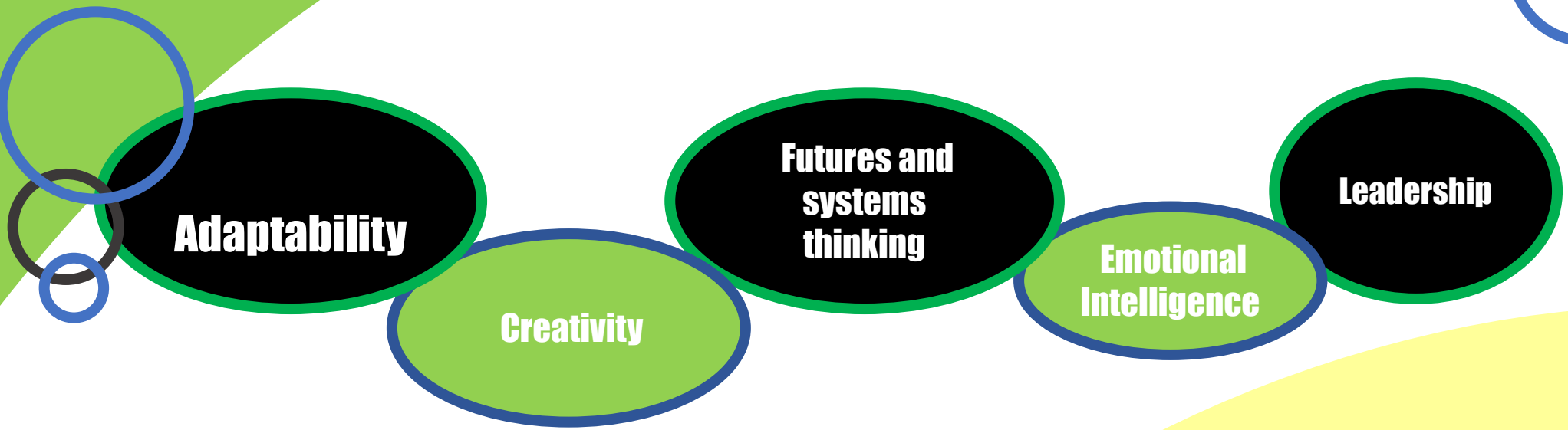
Future Fundamentals for students



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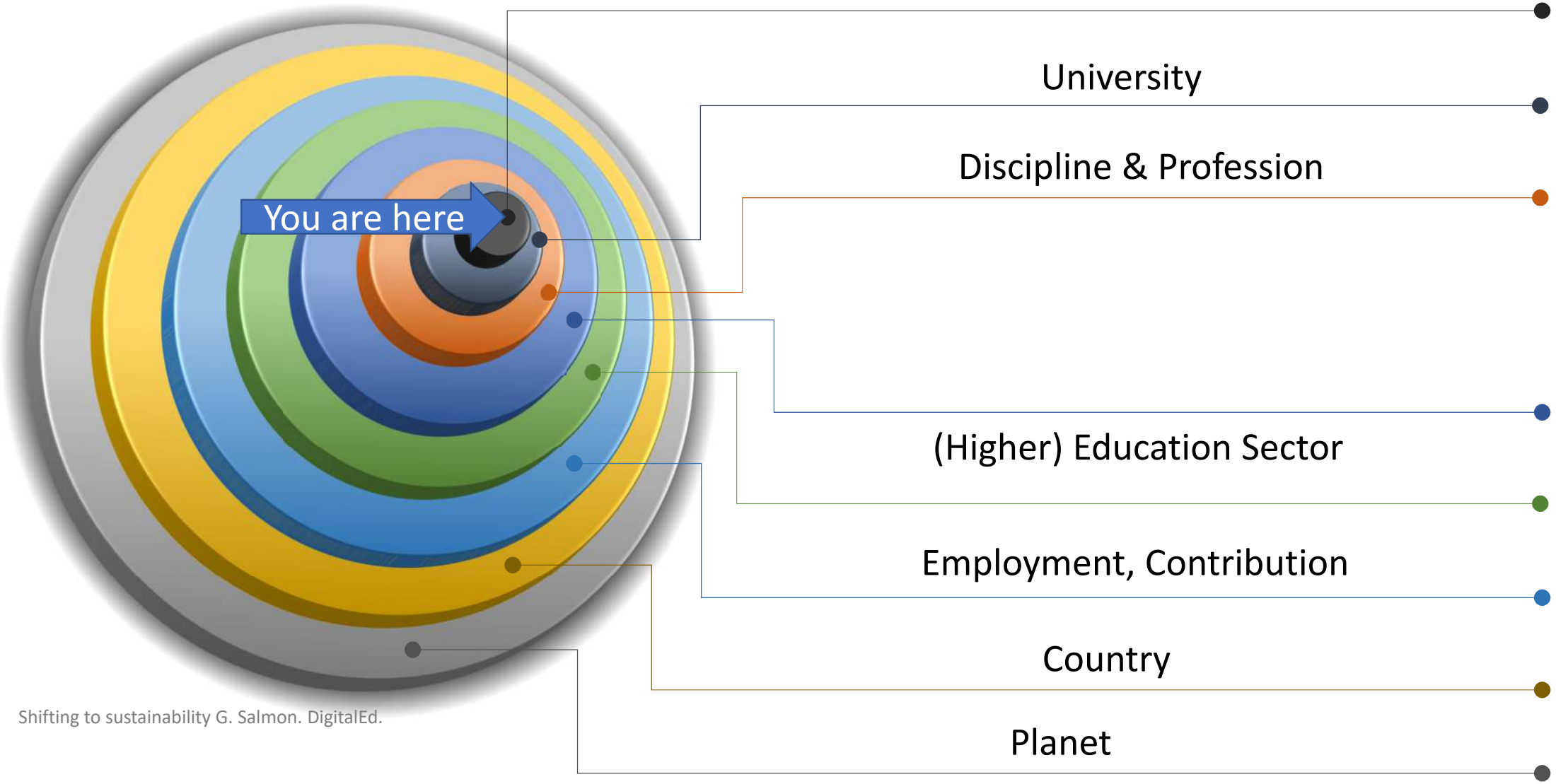

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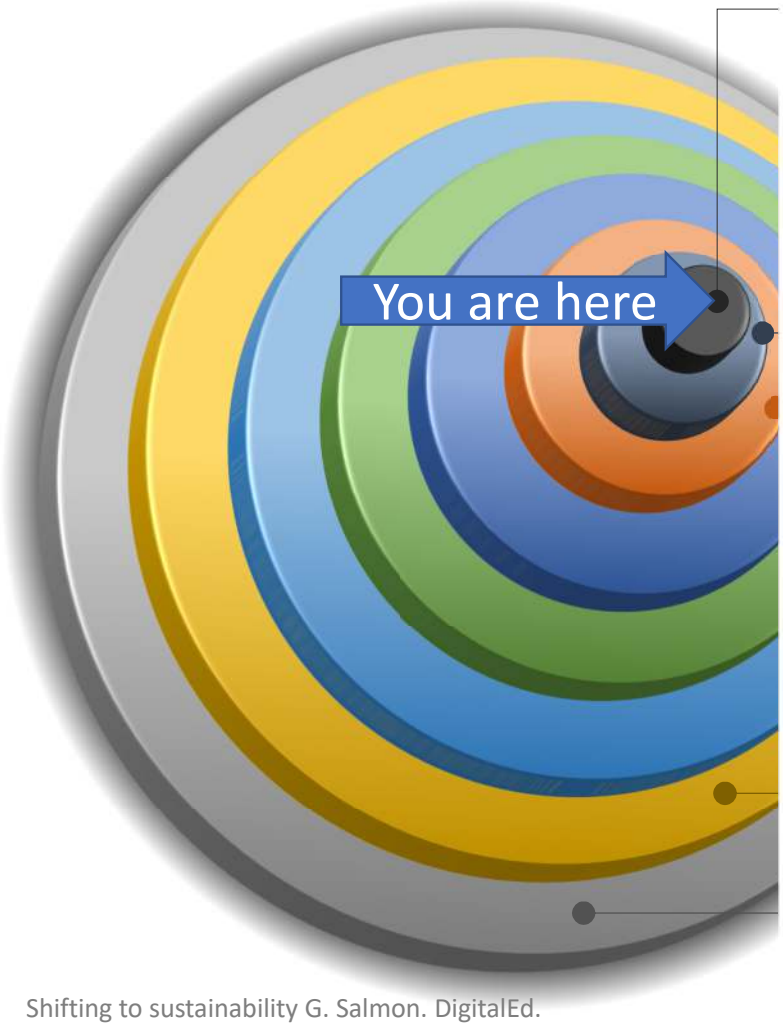
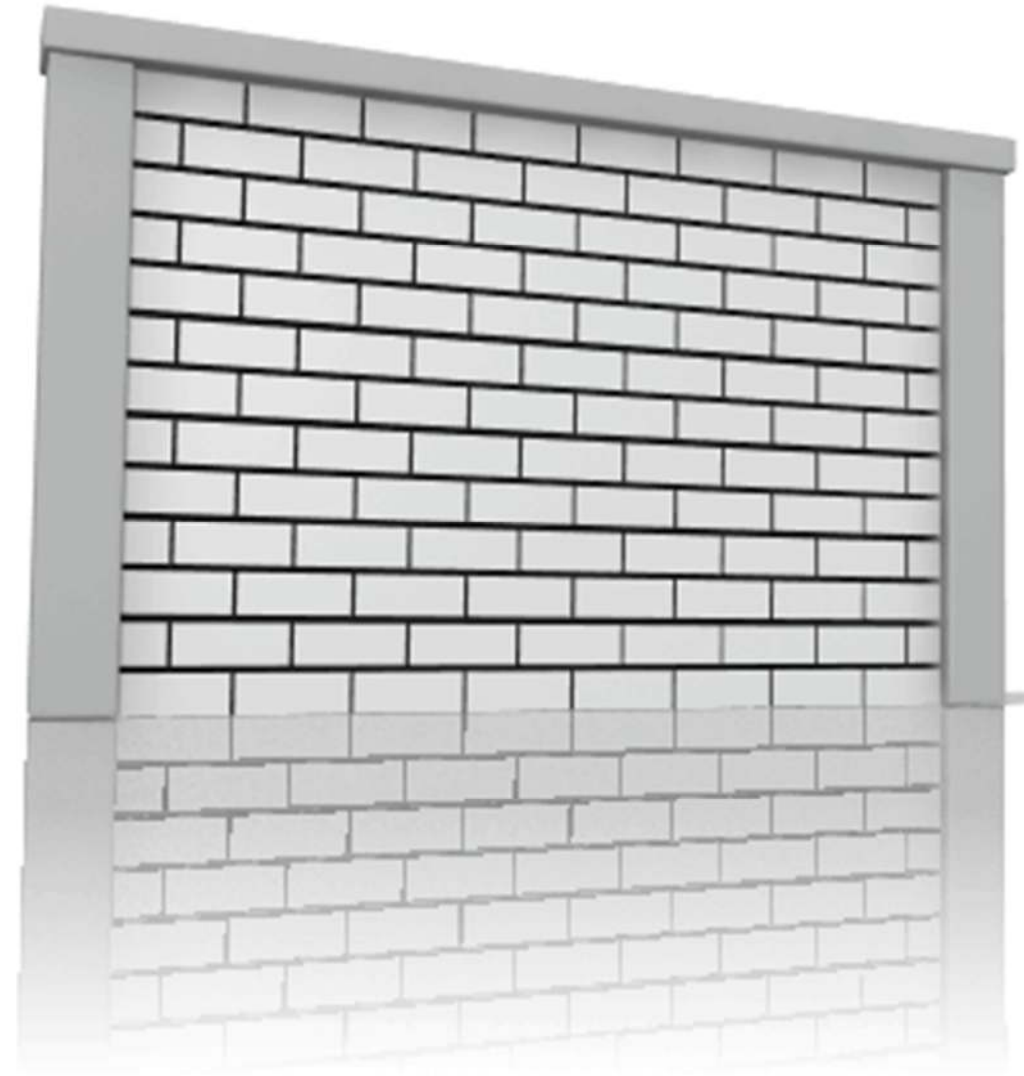

You are here

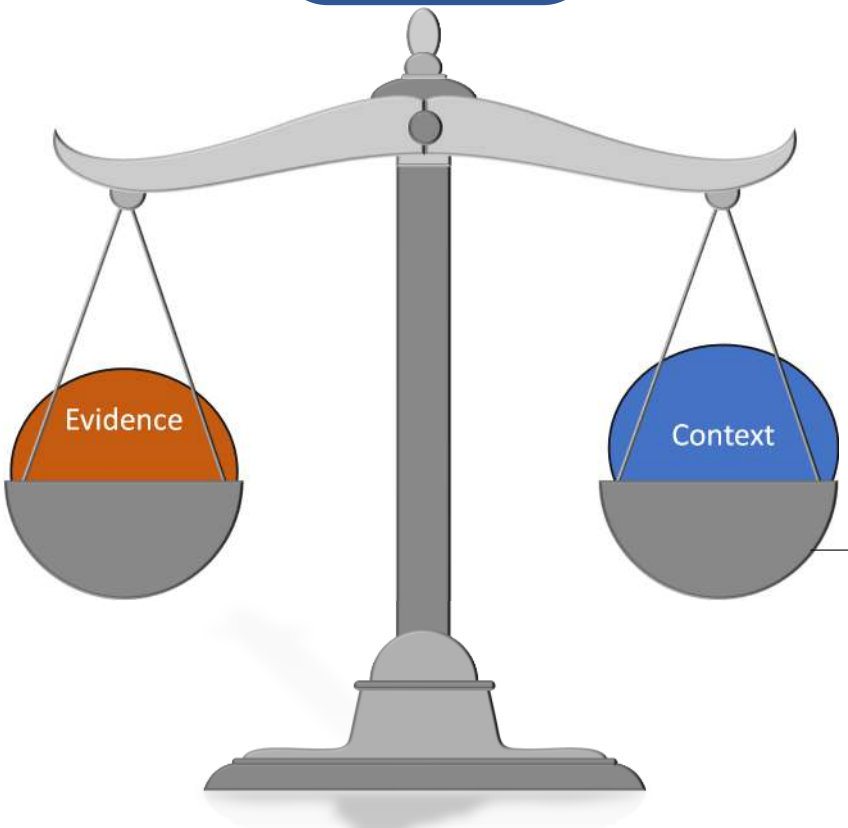


2023 EDUCAUSE
Horizon Report®
Teaching and
Learning Edition

Invest in Evidence

Design once Deploy many times

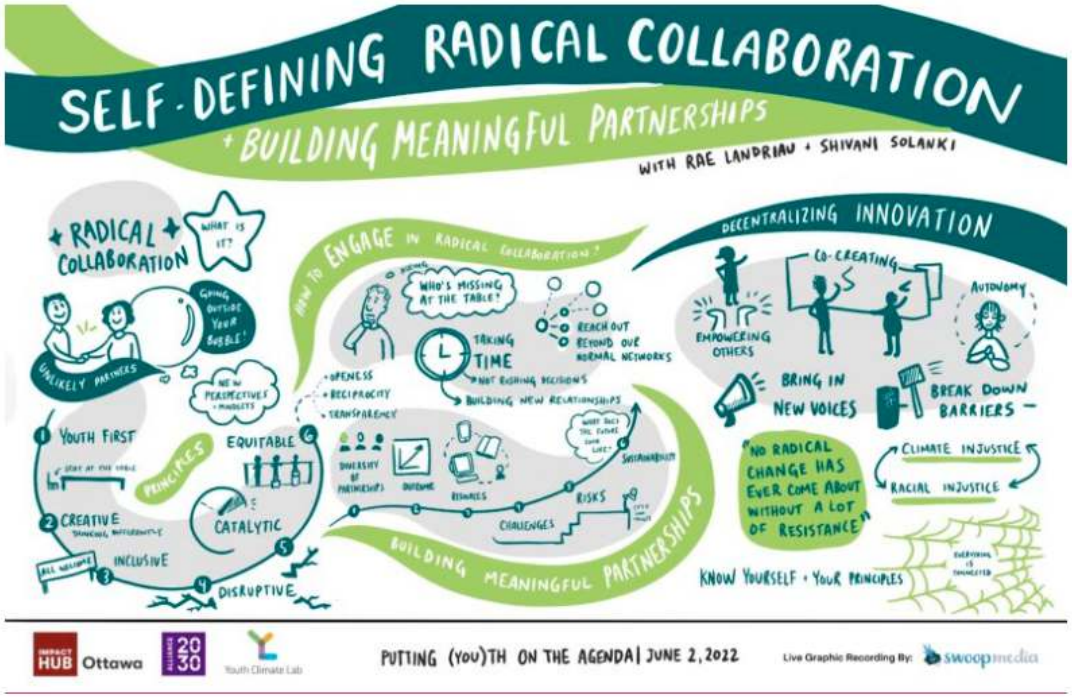
Apply To Your Context



Stakeholders & challengers

- **Missions** — University, Faculty, School, Programme, Partners
- **Sector** — Professions, digital futures, employers
- **Alumni** — Students, recent graduates
- **Wild cards** — Moonshots & JUICE shots, cross-faculty, critical friends, futurists

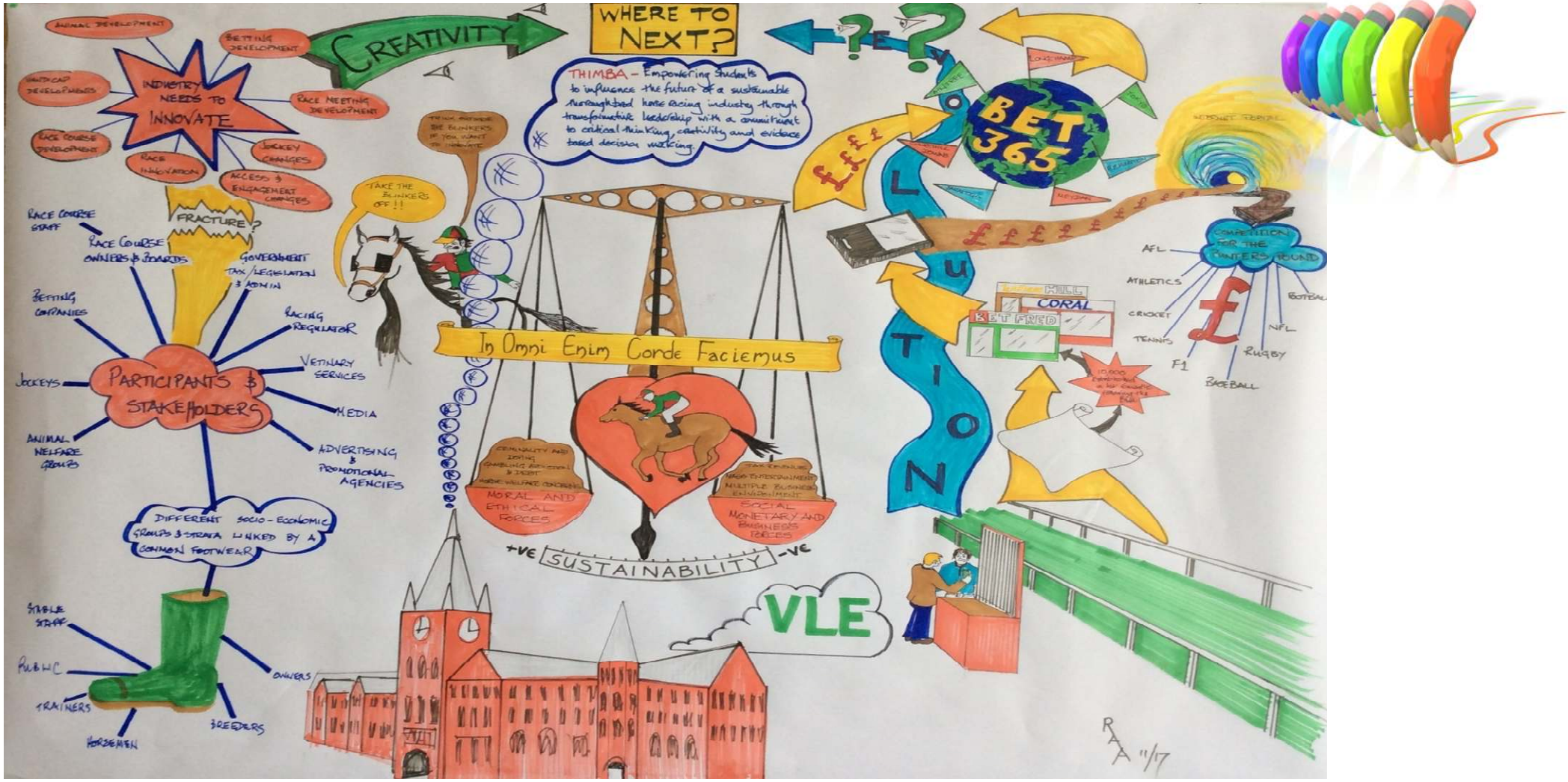
"Radical collaboration is based on a key principle from design thinking. It is inspired by the desire to learn from others, and embrace diverse perspectives within the processes of problem-scoping, idea generation, solution-finding, and innovation".



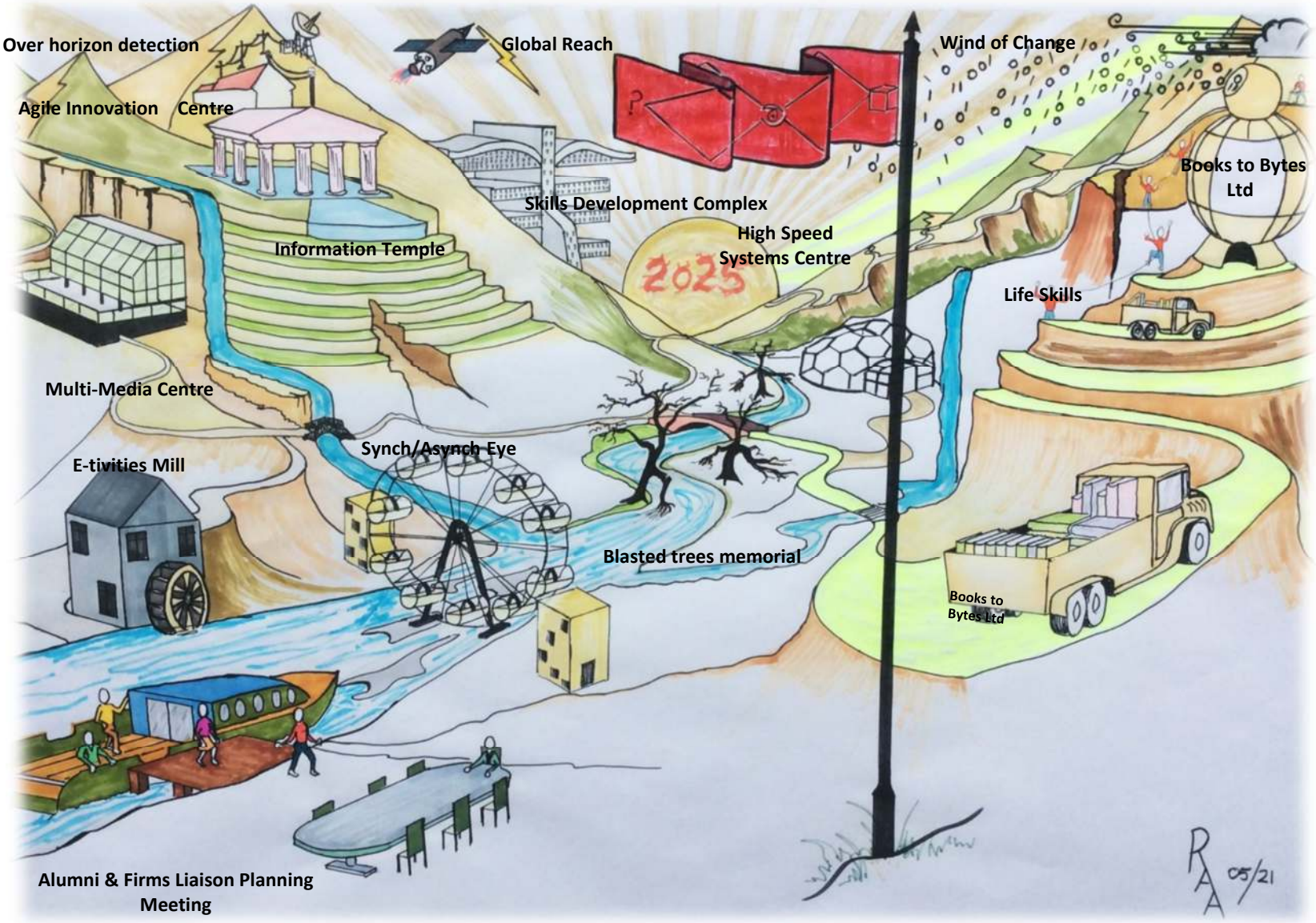
https://ottawa.impacthub.net/story/what-is-radical-collaboration-and-why-does-it-matter/

Rae Landriau (Create Change Collective) and Shivani Solanki 2022

www.educationalchemists.com/gallery


CREATIVITY
WHERE TO NEXT?
INDUSTRY NEEDS TO INNOVATE
ANIMAL DEVELOPMENT
BETTING DEVELOPMENT
HANDICAP DEVELOPMENT
RACE MEETING DEVELOPMENT
RACE COURSE DEVELOPMENT
JOCKEY CHANGES
RACE INNOVATION
ACCESS & ENGAGEMENT CHANGES
FRACTURE?
RACE COURSE STAFF
RACE COURSE OWNERS & BOARDS
GOVERNMENT TAX/LEGISLATION & ADMIN
BETTING COMPANIES
RACING REGULATOR
VETINARY SERVICES
JOCKEYS
PARTICIPANTS & STAKEHOLDERS
MEDIA
ANIMAL WELFARE GROUPS
ADVERTISING & PROMOTIONAL AGENCIES
DIFFERENT SOCIO-ECONOMIC GROUPS & STRATA LINKED BY A COMMON FOOTWEAR
STABLE STAFF
PUBLIC
OWNERS
TRAINERS
BREEDERS
HORSEMEN
THIMBA - Empowering students to influence the future of a sustainable thoroughbred horse racing industry through transformative leadership with a commitment to critical thinking, creativity and evidence based decision making.
TAKE THE BLINKERS OFF!!
In Omni Enim Corde Faciemus
MORAL AND ETHICAL FORCES
SOCIAL MONETARY AND BUSINESS FORCES
+VE SUSTAINABILITY -VE
VLE
EVOLUTION
BET 365
CORAL
BET FRED
AFL
ATHLETICS
CRICKET
TENNIS
F1
RUGBY
NFL
BASEBALL
RA 11/17

ENTRY
DIGITAL SKILLS
CASE STUDY PRESENT
SMILE YOU'RE ON PEEP!
CONFIDENCE CLIMB
EXCITING!!
MAKE CRITICAL THINKING
NEW OPPORTUNITIES PEAKS
MOUNT RESEARCH
THE FUTURES MOUNTAINS
BIG TECH HEIGHTS
I AM READY!
PEEP OPTION
OH! MY!!
PROFESSIONAL DEVELOPMENT BLOCK
LEADERSHIP CURVE
COMING OVER
COMING THROUGH
THE PATIENT
SCENARIO BEND
PRIORITISATION JUNCTION
STRUCTURE & SUPPORT by HEI's & PRACTICE EDUCATORS
in collaboration with PEEP
PROBLEM SOLVING LOOP
ORGANISATIONAL SKILLS TWISTER


Over horizon detection
Global Reach
Wind of Change
Agile Innovation Centre
Books to Bytes Ltd
Skills Development Complex
High Speed Systems Centre
Information Temple
2025
Life Skills
Multi-Media Centre
Synch/Asynch Eye
E-tivities Mill
Blasted trees memorial
Books to Bytes Ltd
Alumni & Firms Liaison Planning Meeting
RA 05/21

Essential Elements for quality learning design

Element 1

PACING

Element 2

KNOWLEDGE & SKILLS

Element 3

FEEDBACK & ASSESSMENT

Element 4

ACTIVITY : SYNCHRONOUS

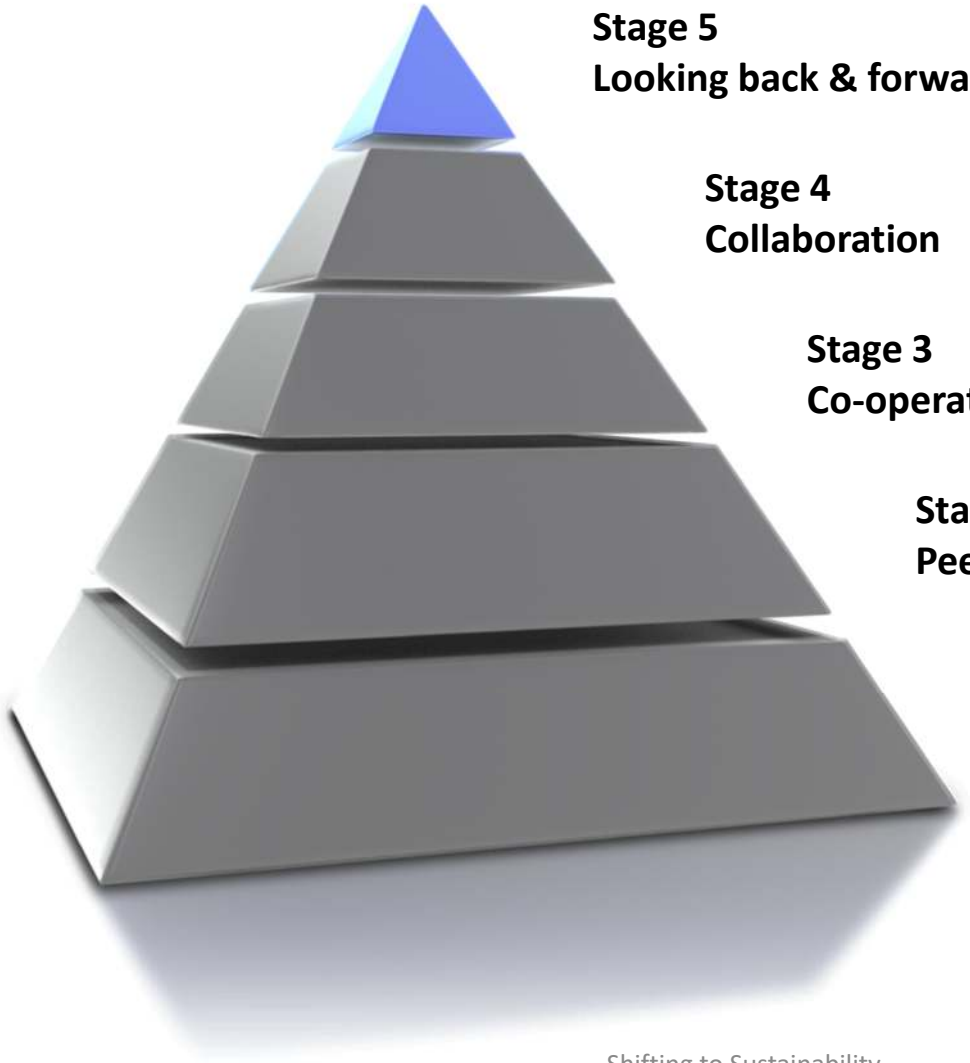
Element 5

ACTIVITY ASYNCHRONOUS

Element 6

INDEPENDENT STUDY

The 5 stage model



Stage 5
Looking back & forward

Stage 4
Collaboration

Stage 3
Co-operation

Stage 2
Peer Groups

Stage 1
Access & Motivation

E-tivities framework

Spark

Individual contribution

Participation

Summary & feedback

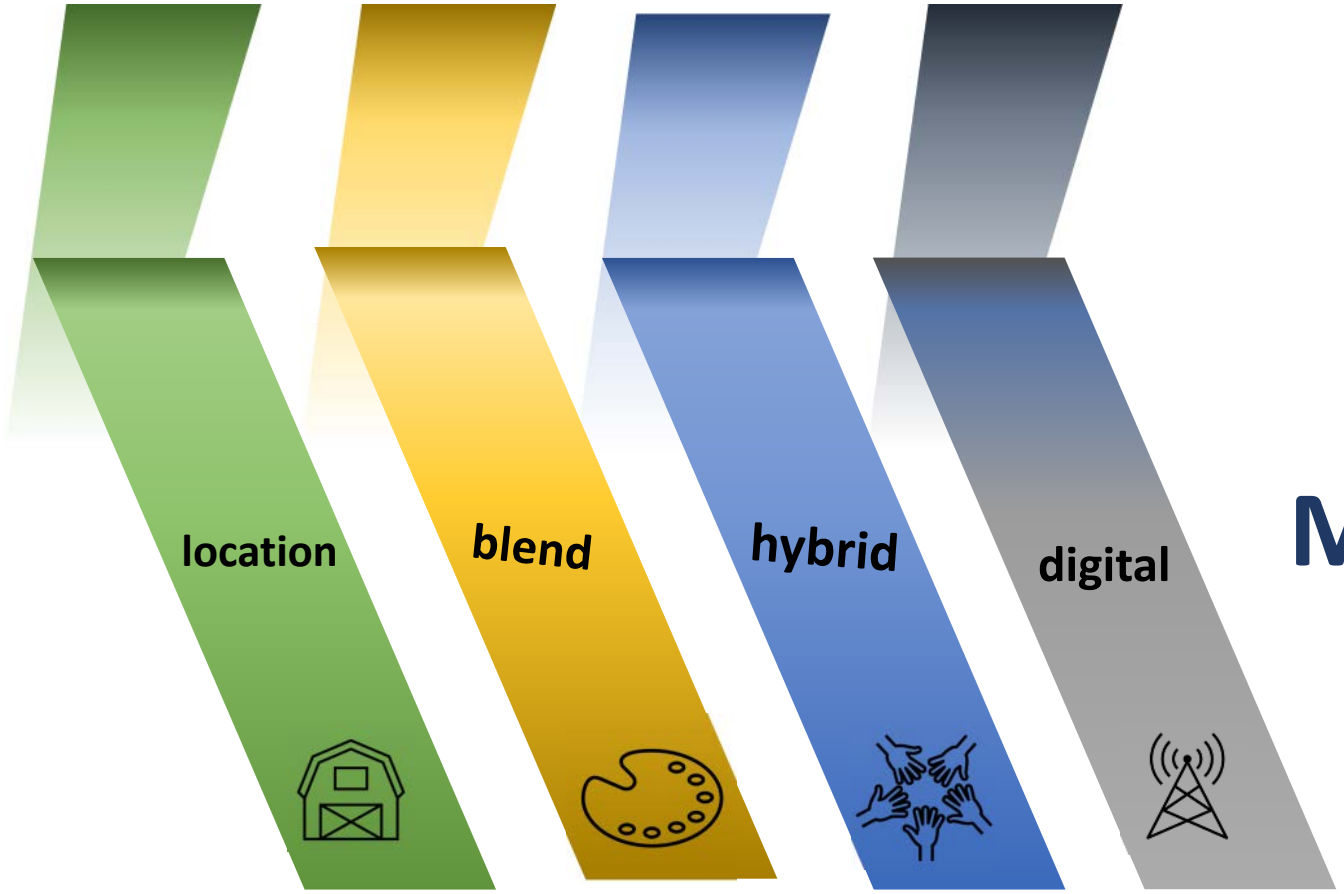
Purposeful

Aligns: assessment & feedback

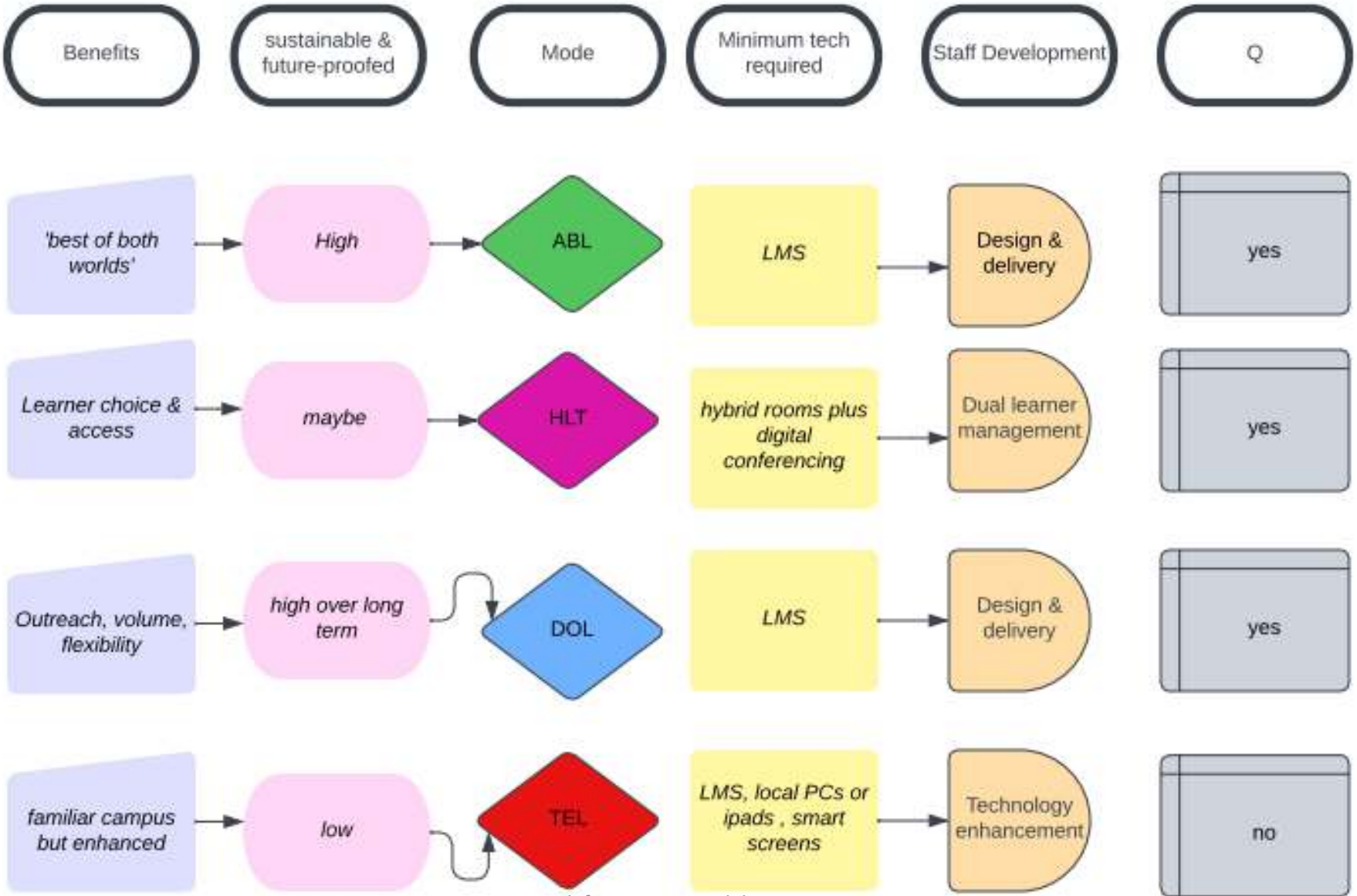
Instructions - one message

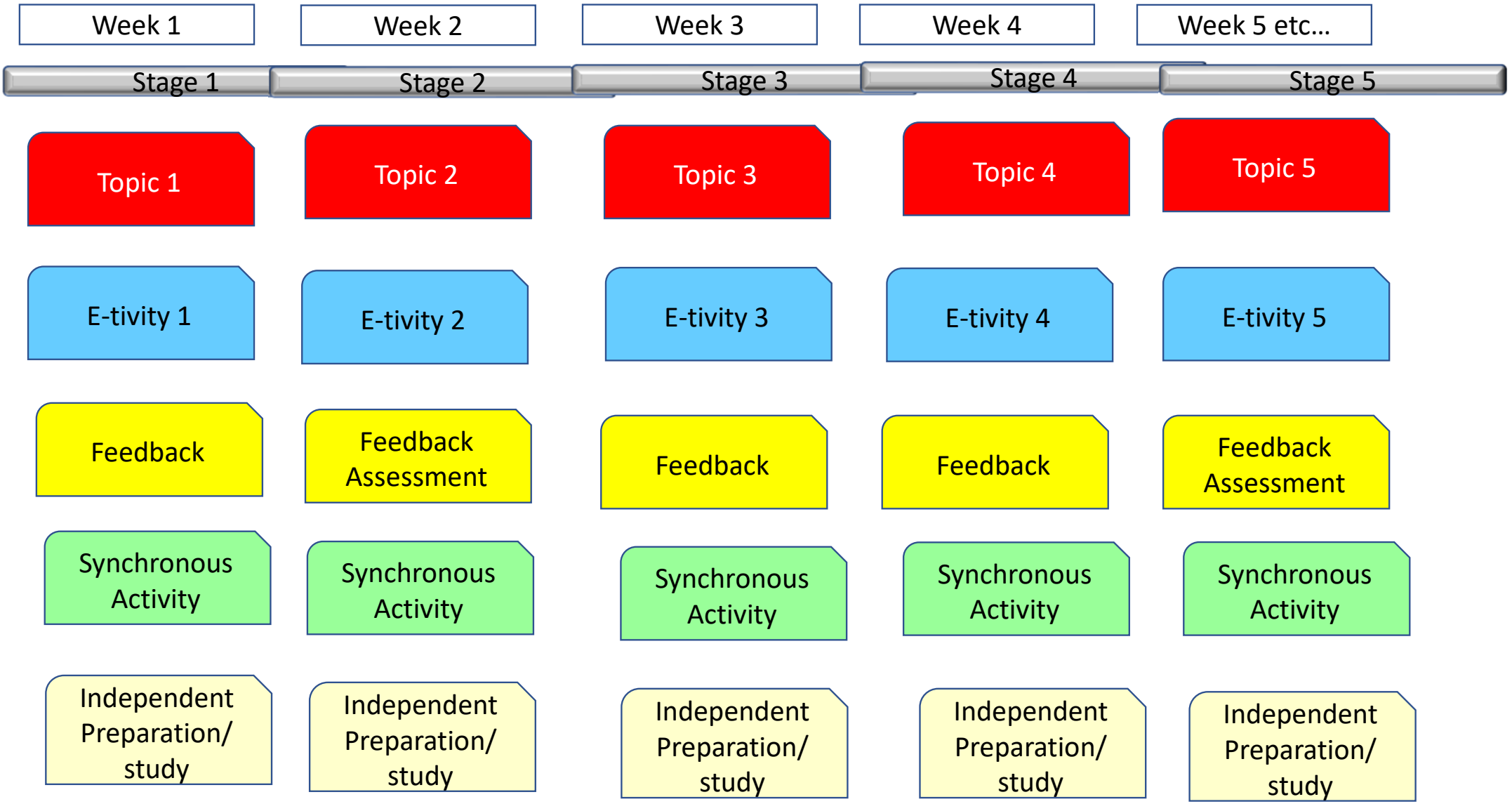
Clear timing

www.gillysalmon.com/e-tivities
www.youtube.com/watch?v=OoKulKkO7t8



Modes of Learning : The options


Benefits
sustainable & future-proofed
Mode
Minimum tech required
Staff Development
Q
'best of both worlds'
High
ABL
LMS
Design & delivery
yes
Learner choice & access
maybe
HLT
hybrid rooms plus digital conferencing
Dual learner management
yes
Outreach, volume, flexibility
high over long term
DOL
LMS
Design & delivery
yes
familiar campus but enhanced
low
TEL
LMS, local PCs or ipads , smart screens
Technology enhancement
no



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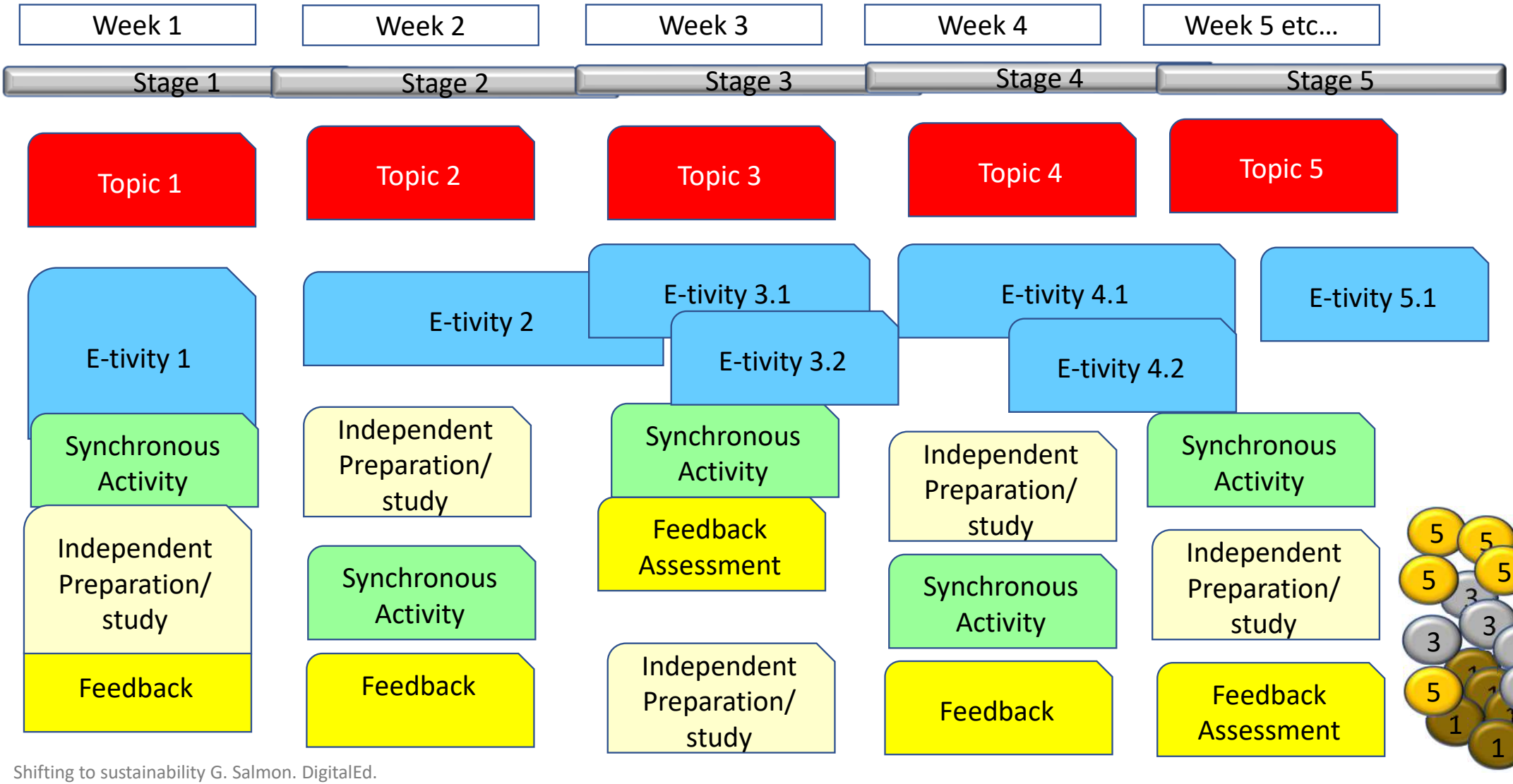

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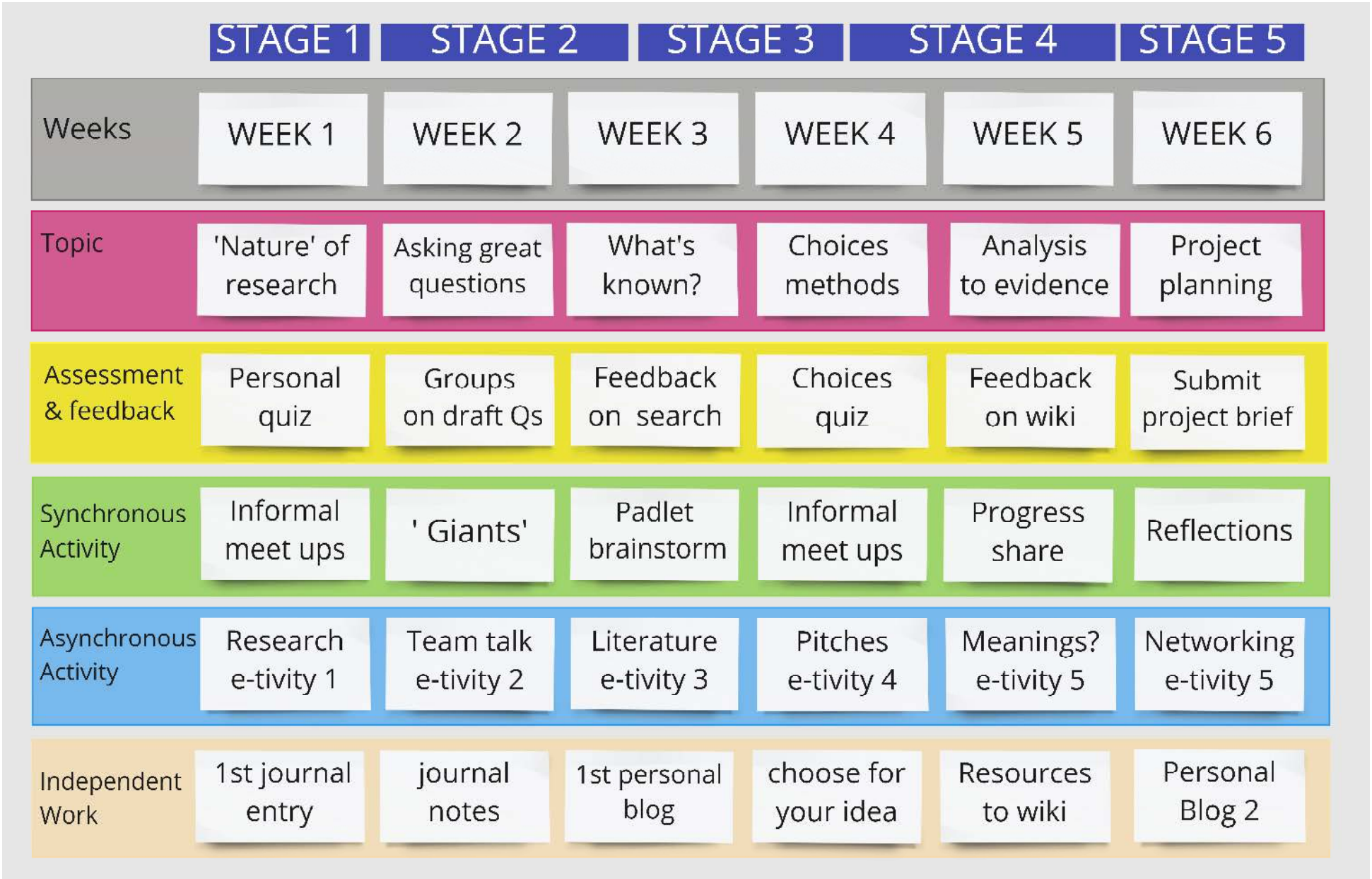
STAGE 1
STAGE 2
STAGE 3
STAGE 4
STAGE 5
Weeks
WEEK 1
WEEK 2
WEEK 3
WEEK 4
WEEK 5
WEEK 6
Topic
'Nature' of research
Asking great questions
What's known?
Choices methods
Analysis to evidence
Project planning
Assessment & feedback
Personal quiz
Groups on draft Qs
Feedback on search
Choices quiz
Feedback on wiki
Submit project brief
Synchronous Activity
Informal meet ups
' Giants'
Padlet brainstorm
Informal meet ups
Progress share
Reflections
Asynchronous Activity
Research e-tivity 1
Team talk e-tivity 2
Literature e-tivity 3
Pitches e-tivity 4
Meanings? e-tivity 5
Networking e-tivity 5
Independent Work
1st journal entry
journal notes
1st personal blog
choose for your idea
Resources to wiki
Personal Blog 2

Learning Design for transformation and sustainability

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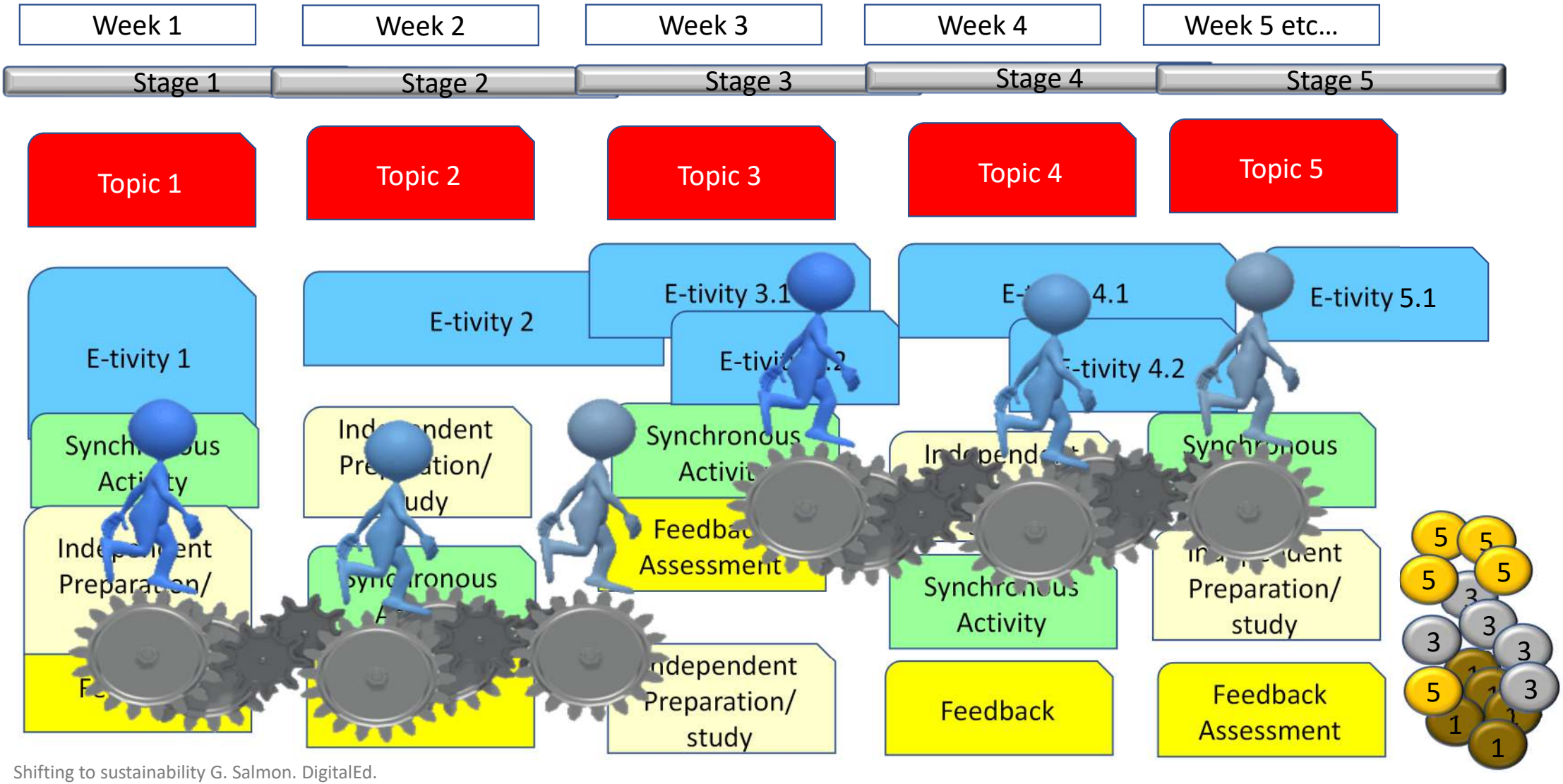
https://www.educationalchemists.com/services.html



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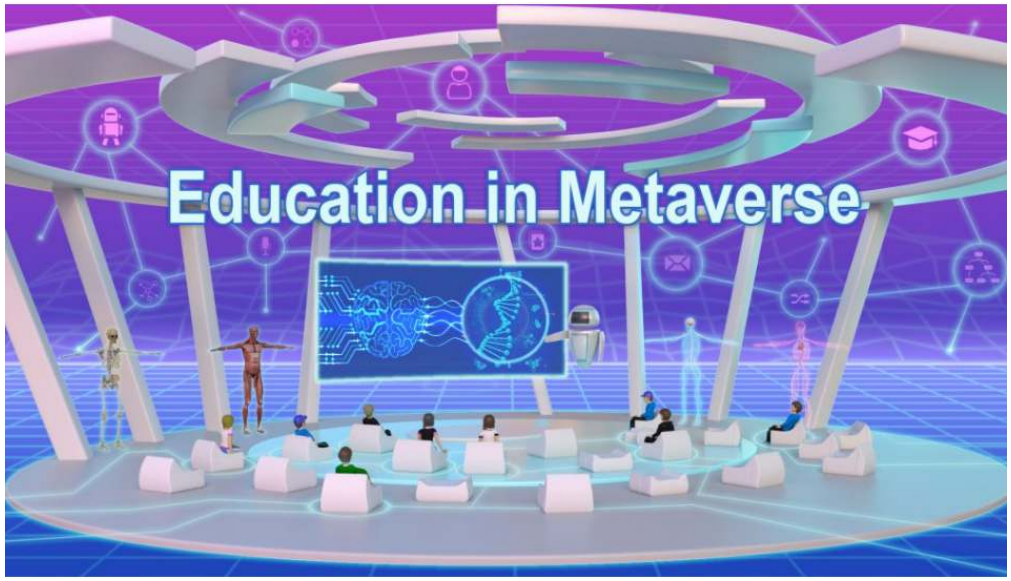
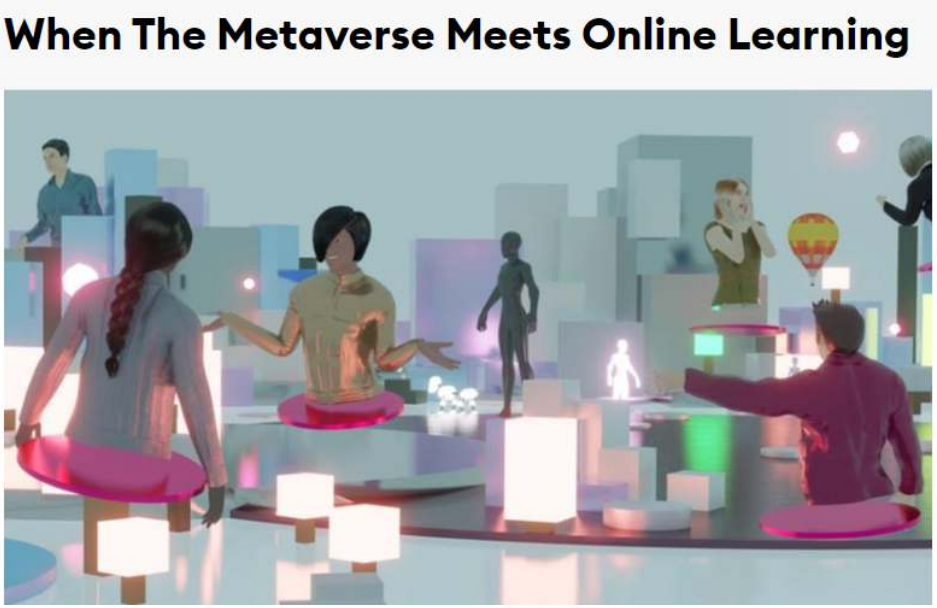
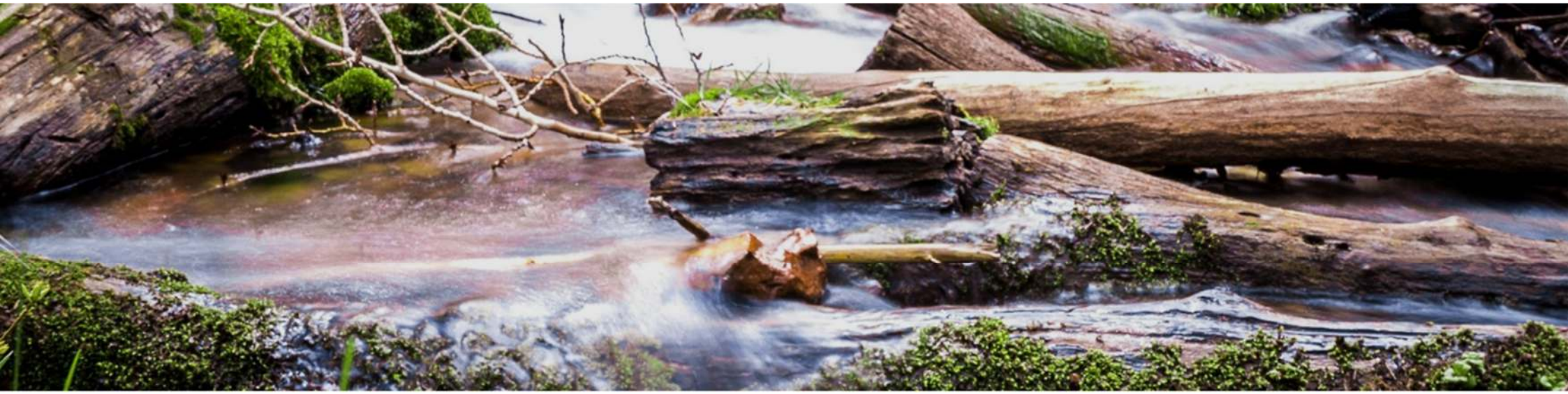
DALL- E2

"Futures for Higher Education
Style of Dali"


Education in Metaverse


When The Metaverse Meets Online Learning

Class Discussion Section



PEER ENHANCED E-PLACEMENTS

UNBLOCKING THE LOG JAM WITH SUSTAINABLE APPROACHES

Sustainability for higher education

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EDUCATION ALCHEMISTS

www.gillysalmon.com
www.educationalchemists.com
www.youtube.com/c/EducationAlchemists

:

Thanks for listening

No animals, humans, trees or budgets were harmed in the making of this presentation.

Human authoring except for slide 34

Design

www.educationalchemists.com/blog/educators-as-designers-of-the-future#

https://universaldesign.ie/what-is-universal-design/the-7-principles/the-7-principles.html

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www.gillysalmon.com/e-tivities

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Carpe Diem learning design & storyboarding

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5 stage model

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Modes of learning

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www.gillysalmon.com

www.educationalchemists.com

Context, futures, sustainability

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Science of collaboration

https://collaboratory.ist/science-of-collaboration/#:~:text=Collaboration%20is%20also%20important%20for,this%20can%20be%20extremely%20useful.

- https://www.un.org/sustainabledevelopment/education/
- economic growth, wide diversity of needs, quality education.

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•https://www.pewresearch.org/internet/2022/06/30/the-metaverse-in-2040/
•https://www.technologyreview.com/2023/04/28/1072393/undercover-content-moderator-polices-the-metaverse/?truid=2a513f76da970508eb8e86438d4fdc8f&utm_source=the_download&utm_medium=email&utm_campaign=the_download.unpaid.engagement&utm_term=&utm_content=05-03-2023&mc_cid=df8cef3dd4&mc_eid=6741652189

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