Managing pedagogical challenges to digital learning

Challenges and Instructional Strategy Solutions

Sandra Sembel

30+ years - Teaching

2003 – E-learning instructional design

2007 – digital-based courses

- blended-learning course
- Remote learning

Trials and Errors

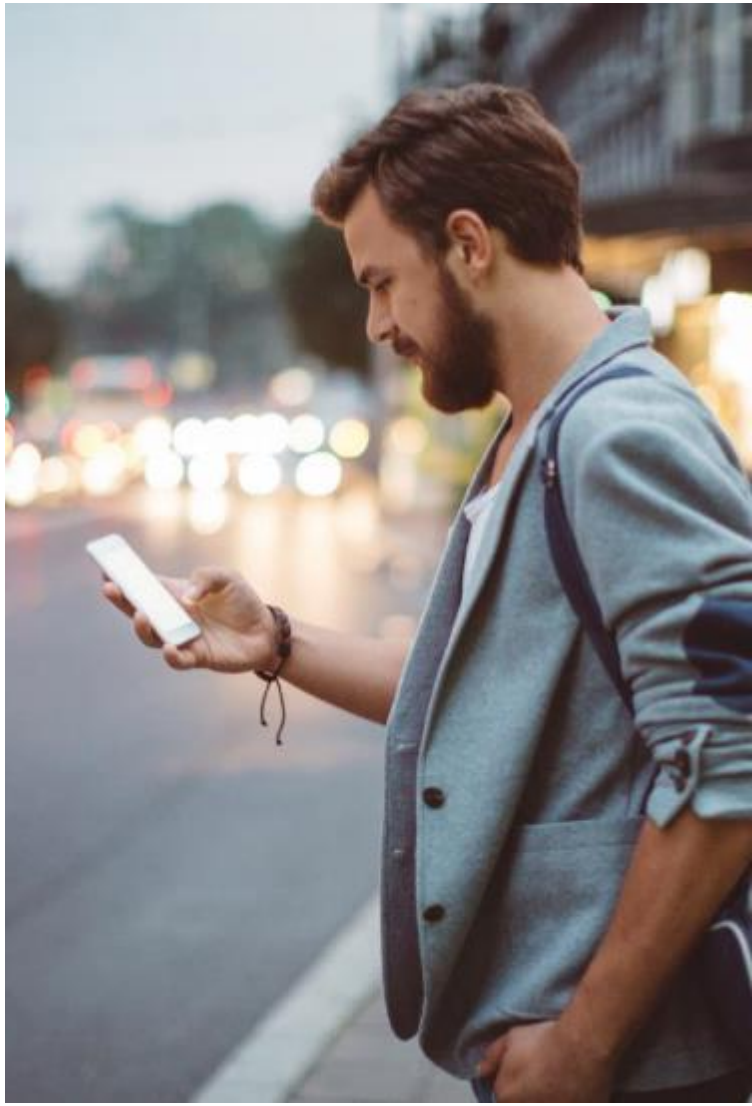
Learning, unlearning, relearning

Keep improving

Universitas Pelita Harapan

Agenda

1. Starting with What and Why?
2. Digital Learning Ecosystem.
3. Challenges to digital learning and possible solutions (Best practices)
4. Solutions to digital learning challenges
5. SMART Model

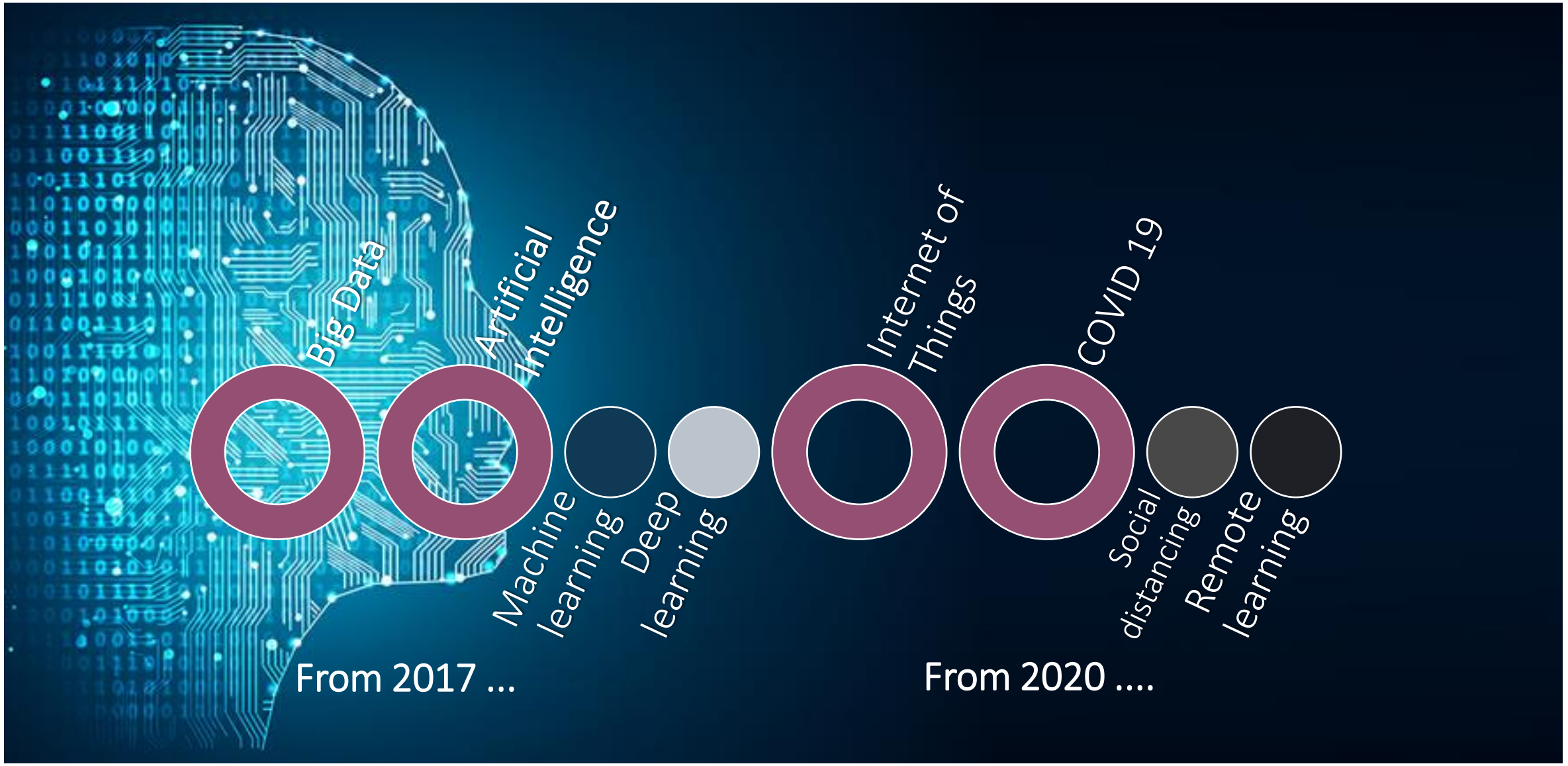


Starting with What and Why

1

What do you miss most from
real face-to-face learning in the classroom? Why?

Why learning digitally?



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What and Why?

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What do you miss most from real face-to-face learning in the classroom? Why?

Digital learning ecosystem

2

Digital Learning Ecosystem

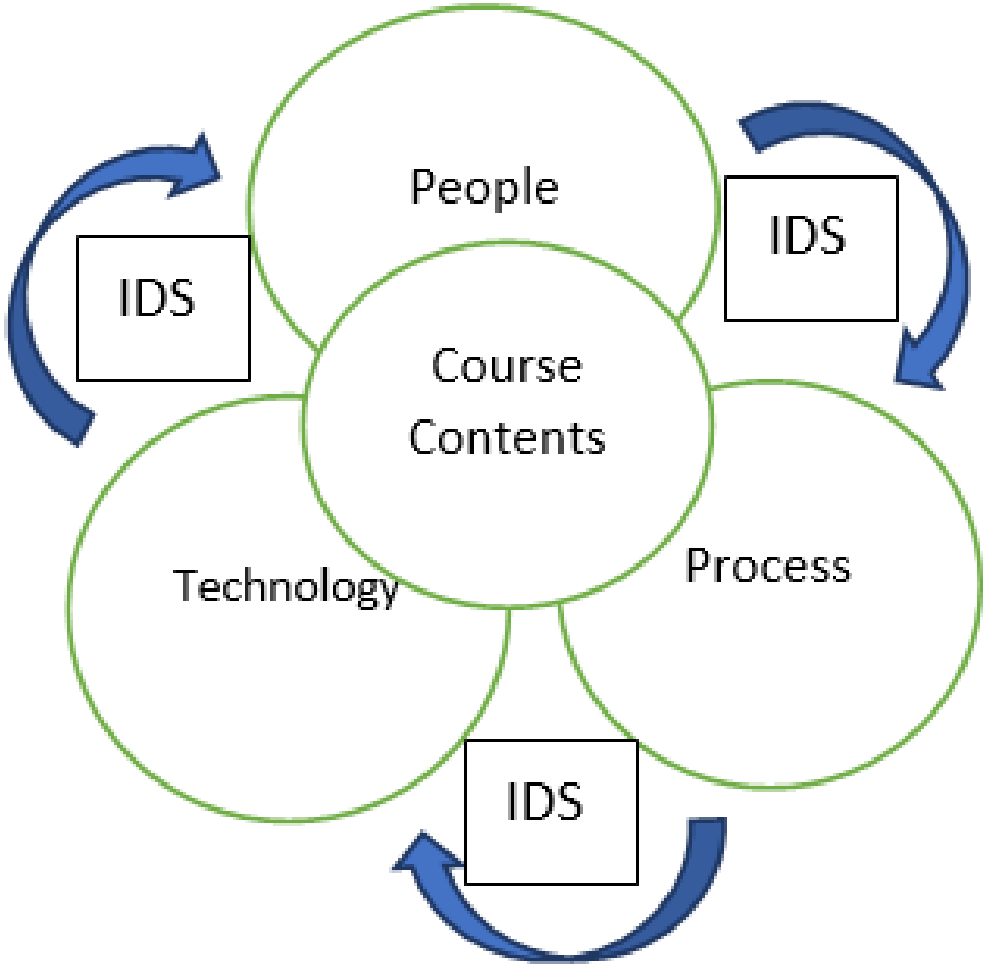
1. People

2. Process

3. Technology

4. Course contents

5. Instructional Design Strategies



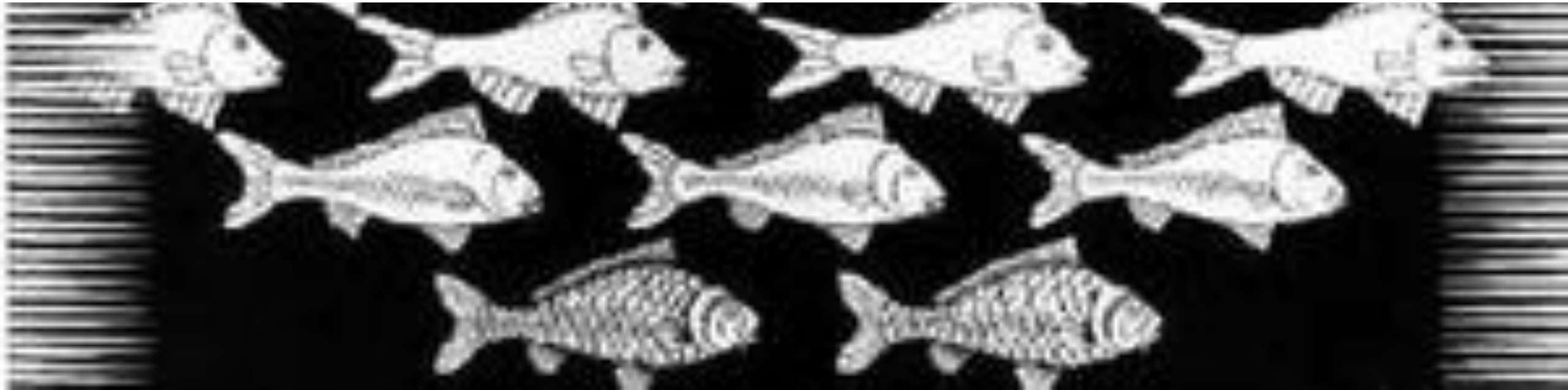
Source: Adapated from Anicic, B. (2019), GeoIgnite: Digital Transformation Beyond Buzzwords

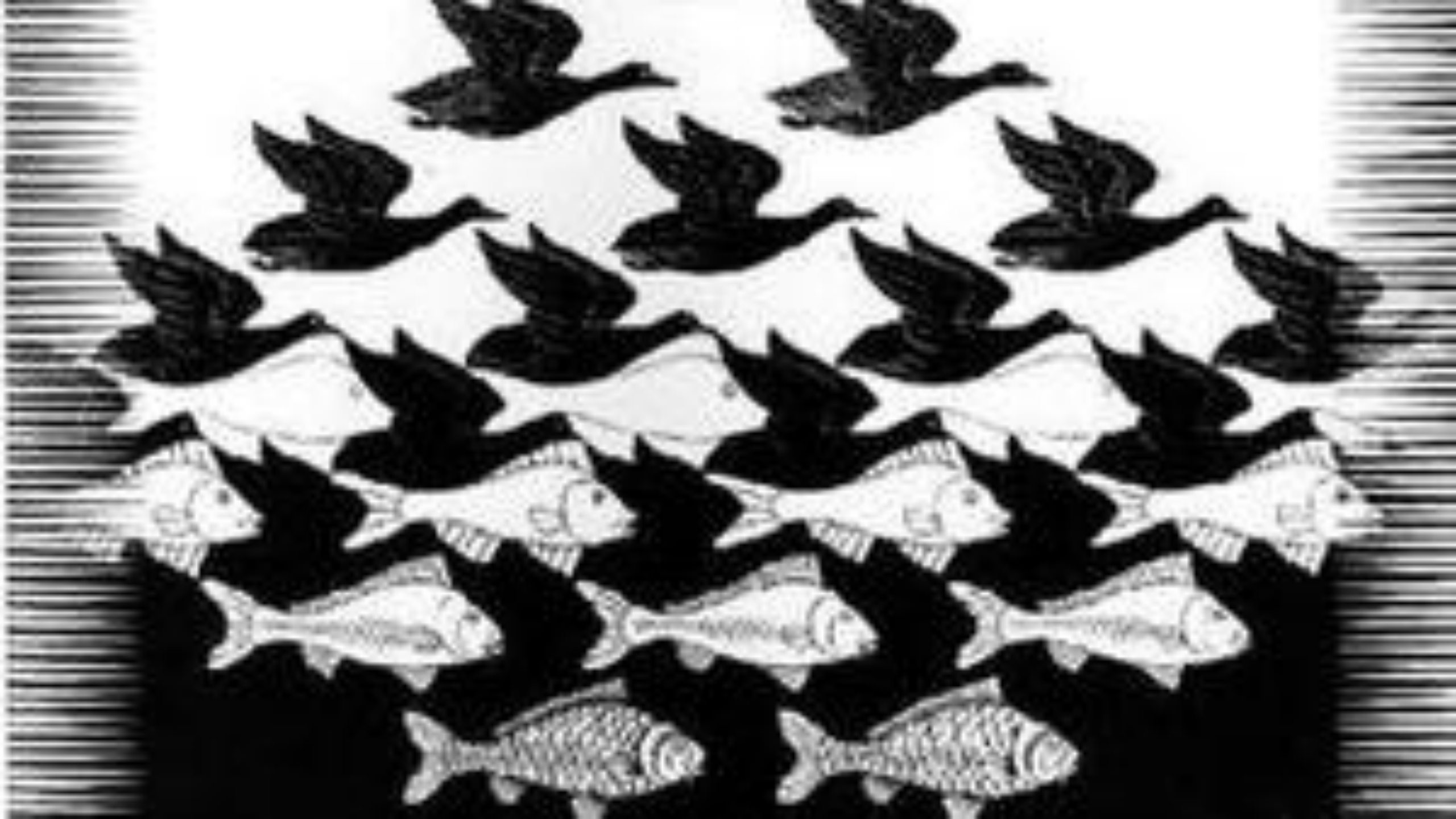
Challenges and solutions

3

At one glance, how many kinds of animal do you see on the screen?

Now, take a look at the picture carefully? Do you see more animals?





People

Challenge 1

1. Attitudes towards digital learning: fear of the unknown, anxiety (learning new things)
2. Digital literacy and confidence to use main digital devices
3. Communication and interaction: feeling isolated, helpless

Attitude: See opportunities beyond challenges

Digital literacy: Focus

Communication: Learning community

Digital Content

Challenge 2

1. Preparing and selecting contents
2. Converting to digital contents
3. Assessment

Learning objectives – guiding star

Balance off-the-shelf and self-developed (collaborate)

Timing, break out sessions, bite-size learning

Quiz, Projects, Video recording

Technology

Challenge 3

1. Learning and using new teaching/learning apps: biting more than we can chew
2. Internet connection: quota, bandwidth, stability
3. Devices: outdated device, troubleshooting

Focus

Creative and alternative thinking

Trial and error

Process

Challenge 4

1. Short span of concentration
2. Tons of distractions working from home
3. Virtual classroom management
4. Time management

Instructional Design Strategies – guiding star: bite-size learning

Engaging activities and differentiated learning

Time and activity management

Synchronous vs. Asynchronous

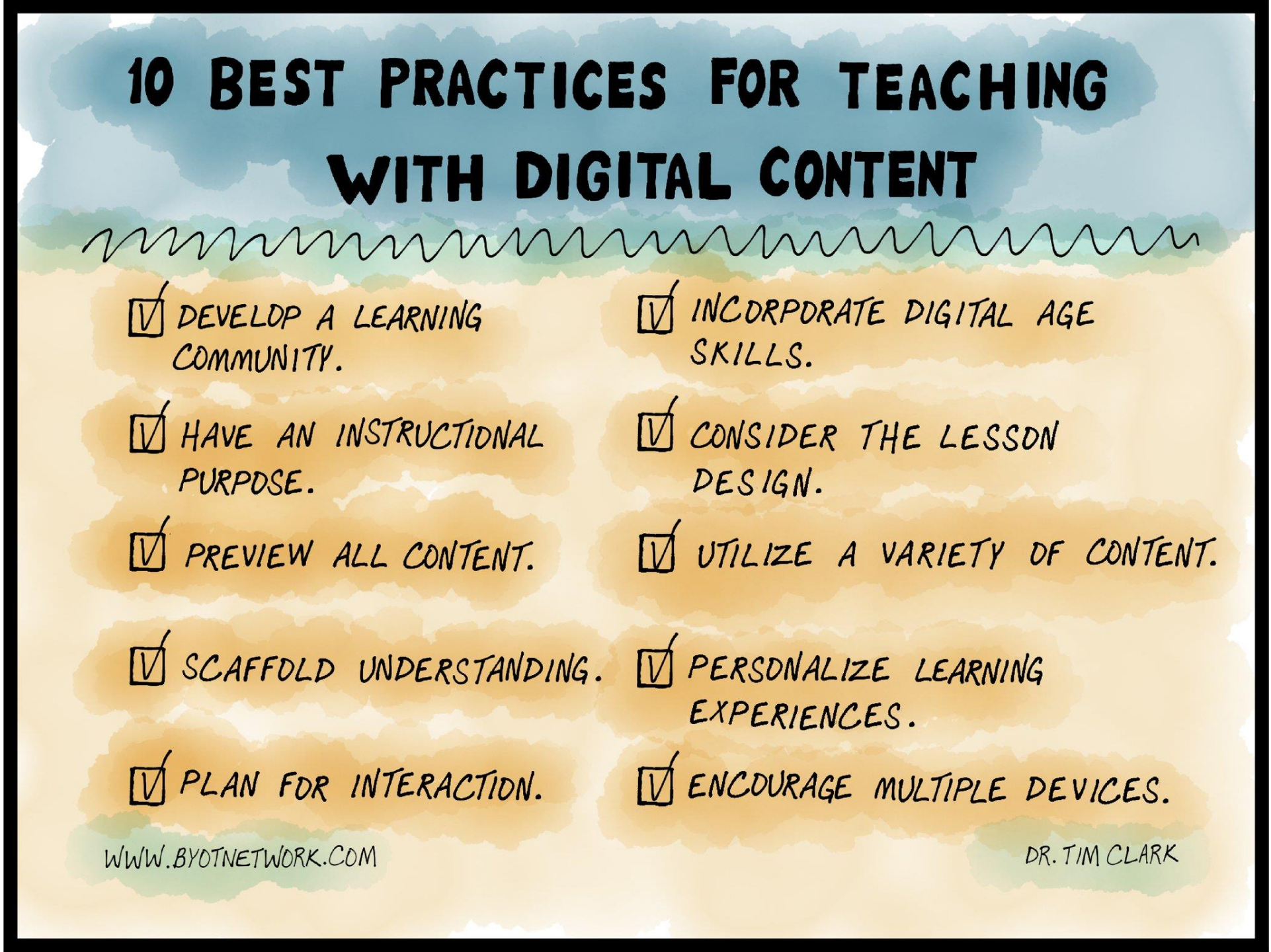
Brain breaks

Solutions to digital learning challenges

Dr. Tim Clark: 10 best practices

4

Pick one that is relevant to you and share with us how you will apply it in your own context?



S-M-A-R-T Model

S-M-A-R-T Model

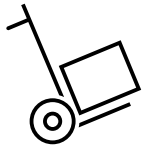
Teaching with Digital Technology

Proposed sequence of learning activities

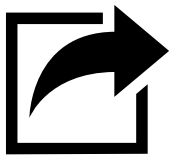
Setting the heart, the head and the hand

Main Materials Discussion

Assisted Learning



Reinforced Learning



Transfer to Real Life

Sample Lesson

Course Descriptions

Course Title	:	Business English
Course Goal	:	Equip students with speaking skills needed to functionally operate in business context
Topics	:	Making a business call, Participating in a meeting, leading a meeting, Welcoming Visitors, Negotiation, Handling complaints, Language for persuasion, etc.
Skills focus	:	Primary: Speaking Supporting: Listening, Reading, Writing
Credit weight	:	2 SKS
Meeting Sessions	:	12 classroom sessions 2 review sessions 2 Assessment sessions
Level	:	Intermediate

Making a Business Call

Activities

1. **S**et up context: What do you talk about in a business call?
2. **M**odel Dialog:
   Watch the youtube video and write the dialog script
   Comprehend the dialog by answering questions
3. **A**ssisted learning: Practice the dialog by performing it with a partner based on **cues**
4. **R**einforced learning:
   Perform the dialog again more fluently (without guidance)
   Review the dialog by answering questions
   Transfer to real context: Discuss communication strategies (alternative strategies) to implement in their personal context

Setting up the heart and mind

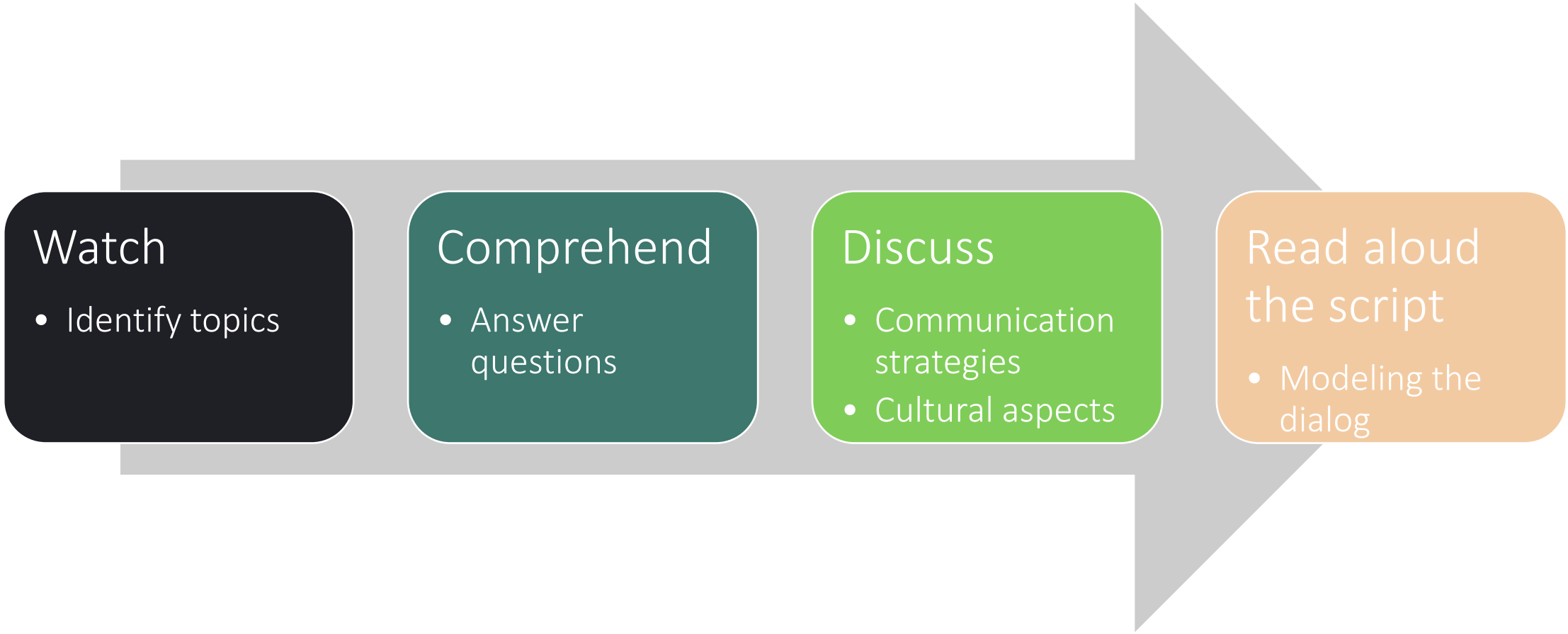
Good morning.

Please write down the following information as your ENTRY TICKET:

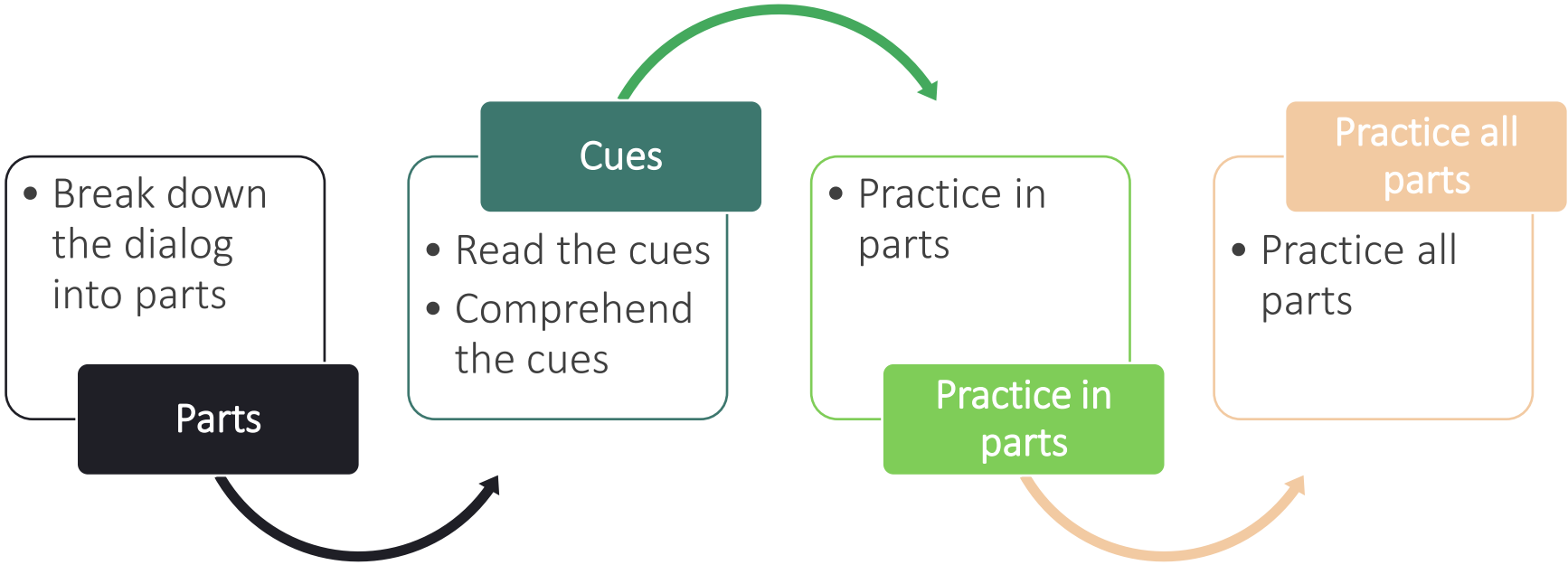
1. NAME
2. Student Number
3. The last person you talked to on the phone, topic, the follow up? (e.g. The last person I talked to on the phone was _____. We talked about _____. The follow up of the phone call was ____.)

I will start the video discussion in 10 minutes

Main Materials Discussion



Assisted Practice

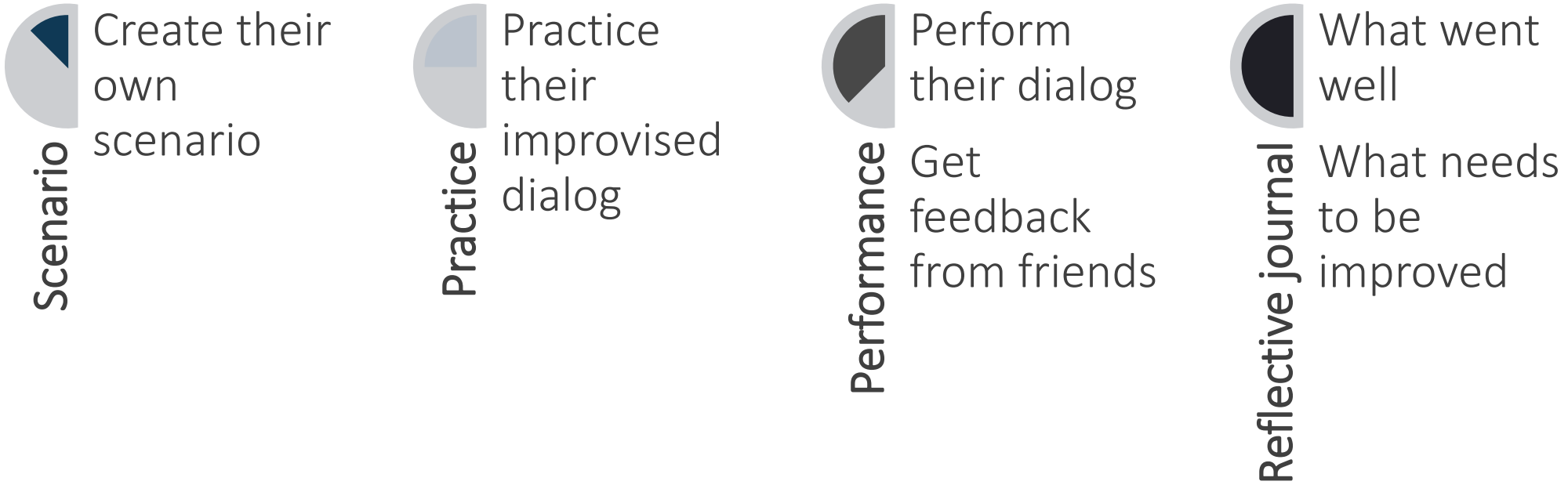


Reinforced learning

- Students practice the dialog again independently

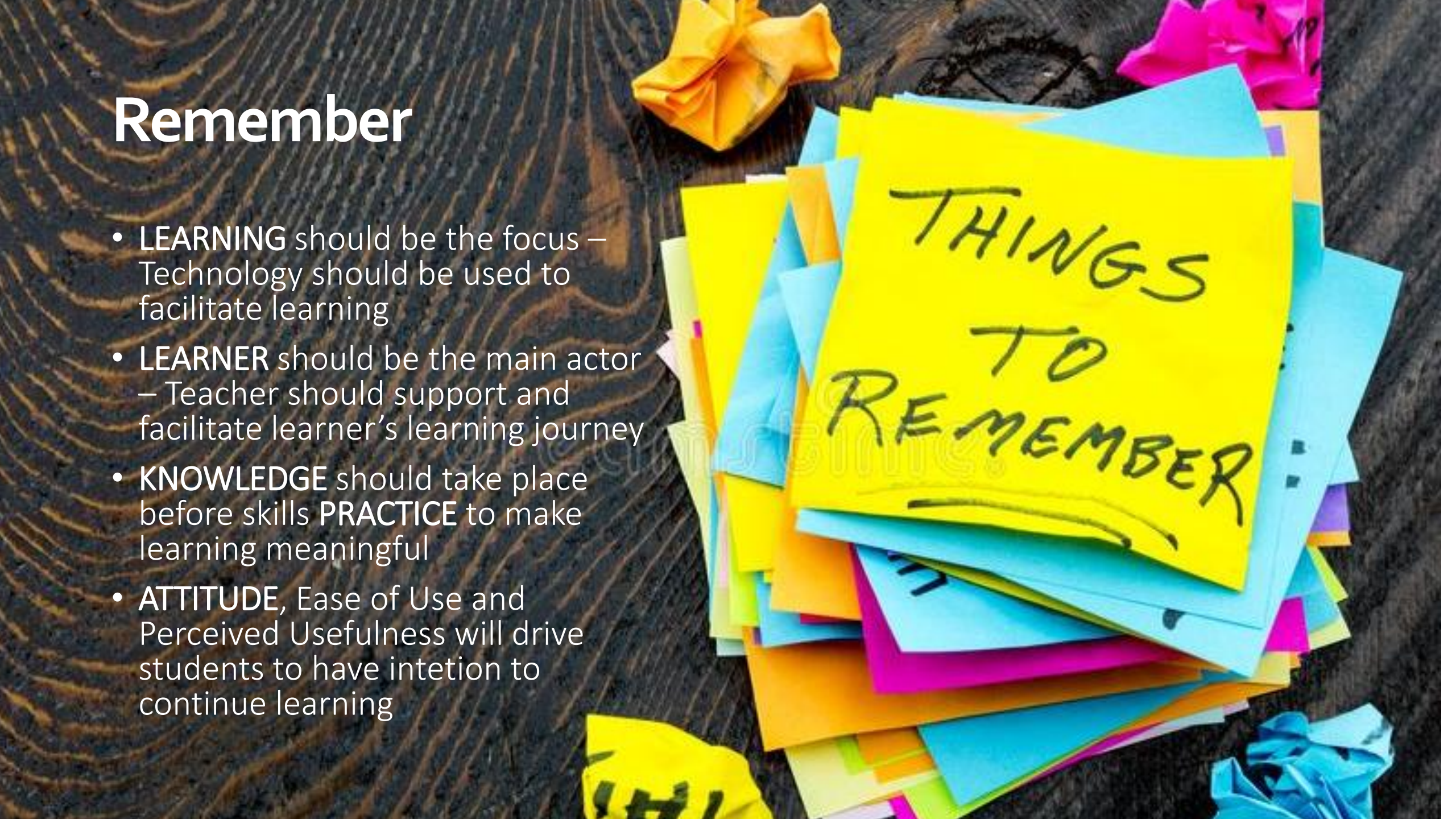
Transfer to their own context

Try performing the dialog without looking at the cues
→ improvise whenever possible; discuss strategies

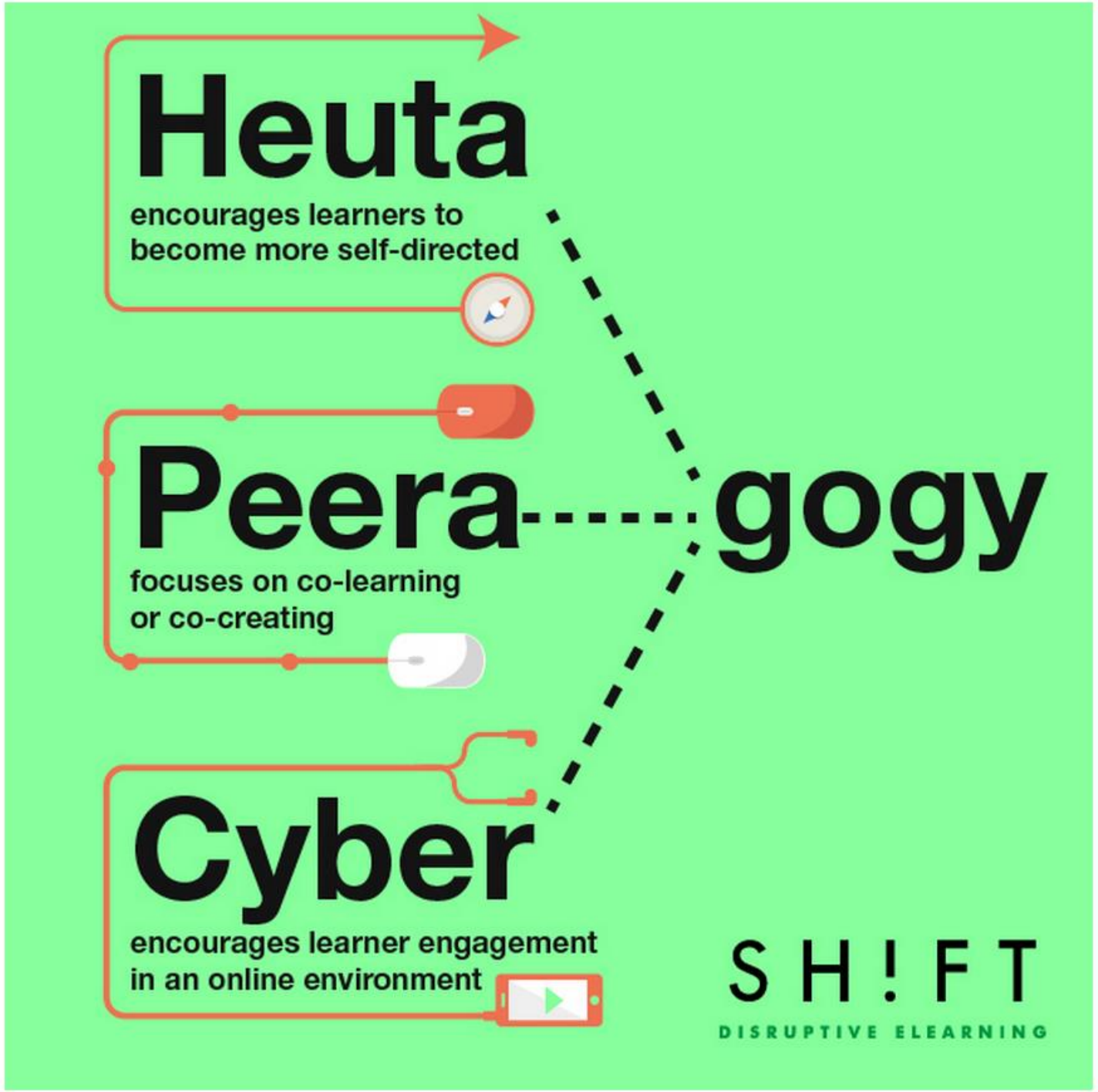


Remember

- **LEARNING** should be the focus – Technology should be used to facilitate learning
- **LEARNER** should be the main actor – Teacher should support and facilitate learner's learning journey
- **KNOWLEDGE** should take place before skills **PRACTICE** to make learning meaningful
- **ATTITUDE**, Ease of Use and Perceived Usefulness will drive students to have intetion to continue learning



New pathway to digital learning



Let's stay in touch!

- If you still have anything to ask
- Just contact me at:
  - ssembel@gmail.com
  - Facebook: ssembel
  - IG: sandrasembel
  - LinkedIn: Sandra Sembel

TODAY'S QUOTE:

NEVER STOP LEARNING; FOR WHEN WE STOP LEARNING, WE STOP GROWING.

- LOYAL 'JACK' LEWMAN

Final thought

THANK YOU and GOD BLESS YOU ALL

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References

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