**Learning to Learn - Mark T**

Natural learning happens with a prompt

Stage 1

Prompt-emotion-question-curiosity-inquiry-reflect/review/iterate- knowledge (the

minimum) Competencies are in the centre

We are pre- programmed to learn.

It is up to the hormones that are released to make learning possible

Emotion leads to the question

Question leads to curiosity

E.g. Students came to school and there was trash everywhere

They were angry - Asked questions-inquiry (what to do with it, what do numbers mean)

Must teach competencies before they launch into inquiry learning

Teach strategies for troubleshooting explicit learnt

YouTube- some study that I used to know.

Prompt must elicit an emotion

Compress 3 week units into 4 days

Must have a handle on key concept to zoom through it

Key competencies -

Students to nominate what they could use as a prompt for topic you have covered -

make a list of prompts for next time

Songs as prompts

Stage 2 knowledge- question and inquiry- applied in context -

Choose context carefully.

Apply into safe context and where they have some knowledge

Car driving eg. Hill starts take them to small hill, bit bigger hill, steep hill

One concept at a time

Steering is first concept to master,

Idea is a concept in a single context e.g. Turn this much get this result

Throw a Ball to hit a wall, throw a ball to hit a can. Make the connection that you

can throw ball in a range of contexts

Stage 3

Ideas- question and inquiry- applied to contexts-reflect, review, reiterate, concept

is understood.

Automate the process

Stage 4

Concepts- questioning and inquiry- associated concepts (what else goes with hill

starts- indicator, check rear view mirror,

Keep knowledge base small - let them absorb knowledge slowly

Build concept - students to make connections but we must give them the experiences

Listen to radio from Italy to immerse in students in language as learning about Italy

Stage 5 prediction zone

Creativity

Stage 6

Take concept to many contexts

Make

Relationship between variables

Algebra is cause and effect

Advanced calculus - breaking at traffic lights