

ACTUALISE LEARNING

Nurture. Educate. Advance

Pathway

- **Experiential learning** (the process of learning through experience)
- Learning cycles, to be made from one subject into another
- Circa 15 – 20 activity themes, per learning cycle
- 3 stages of learning cycles (one level builds on the next)
- ‘Game master’ – parent in charge of asking questions to participants
- Time restraints – 2 minutes allowed, per activity to complete (egg timer)
- £5.99 – £7.99: price point

21st Century Skills

People skills

- Emotional Self Development
- Critical Thinking

Future Careers skills

- Understanding communication
- Advanced negotiation skills
- How to be a better communicator
- Happiness
- Social Skills
- People Skills
- Cognition and Emotion
- Personal Development
- Assertiveness
- Kindness
- Trust
- Wisdom and Knowledge
- Bilingualism
- Life Skills
- Self-Awareness

Innovation skills

- Self-compassion
- Emotion
- Memory

Decision making skills

- Logic and reasoning
- Personal communication skills
- Sociology

Problem solving skills

- Problem-based learning
- Money management
- Communication skills
- Collaborative skills
- Leadership skills
- Interpersonal skills
- Communication skills
- Logic
- Study Skills
- Stress Management (part 3)
- Linguistics
- Perception and Action
- Resilience
- Integrity
- Responsibility
- Time Management
- Social Psychology
- Social Neuroscience

- Ethics
- Memory and Thinking
- Problem-based learning

21st Century Knowledge

Emerging technology and beyond

Svetlana Stefanova - Artificial Intelligence

Mateus Mendes - Machine Learning

Mateus Mendes - Intelligent Machines

Zvi Katz - Introduction to Robotics

Zvi Katz - Applications of Robotics

Zvi Katz - Inner Systems of Robotics

Zvi Katz - Industrial Robots

Zvi Katz - Mobility of Robotics

Zvi Katz - Collaborative Robotics

Sinisa Sigvic - Computer Vision

Ali Bin Junaid - Robotics Engineering

Juan Ignacio - Advanced Aerodynamics

Davide Montsearchio - Biotechnology

Gasser Abdelal - Introduction to Nanotechnology (to be renamed to:
Nanotechnology - Part 3)

Tinus Stander - Computer Science

Elias Portolas - Nanotechnology for beginners (to be renamed to:
Nanotechnology - Part 1)

Yuri Savvateew - Nanotechnology (to be renamed to: Nanotechnology - Part 2)

Even Sekhi - Advanced Artificial Intelligence

Juan Ignacio - Introduction to Aerodynamics