

**IMPERIAL**

# **Festival of Learning and Teaching 2025 – Ignite session**

**AI May Be Smart, But Human Ingenuity Is Sustainable:  
Real-World Assessments in Applied Paediatrics**

**Mrs. Heather Hanna  
25/03/2025**



Truth, in science can be defined  
as the working hypothesis best  
fitted to open the way to the  
next better one.

Konrad Lorenz

Austrian zoologist, ethologist, and ornithologist. He shared the  
1973 Nobel Prize in Physiology or Medicine

## Real World Summative Assessments

### Written Communication Skills

- Patient or Parent Information Leaflets
- Media such as a website or an App
- Journal Article
- Archimedes

### Performative (Presentation) Skills

- Teaching Session
- Poster Presentation
- Pitch to a Funding Body

### Critical Appraisal Skills

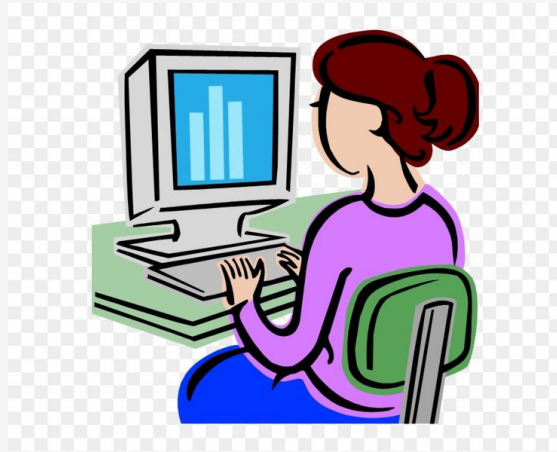
- Case Study
- Problem Based Learning Assessment
- Review Article
- Research Proposal
- Patient Care Plan

## Benefits of Summative Assessments

### STUDENTS

#### Benefits:

- Interesting to do
- Real-world skills developed
- Creative
- Challenging but Fun



### STAFF

#### Benefits:

- Interesting to mark
- Skills demonstrated
- Learning evidenced



Images:  
Creative Commons

## Benefits and Drawbacks of Summative Assessments

### STUDENTS

#### Benefits:

- Interesting to do
- Real-world skills developed
- Creative
- Challenging but Fun

#### Drawbacks:

- Take time to understand
- Need to develop further skills
- Feed forward may not be relevant to further assessments

### STAFF

#### Benefits:

- Interesting to mark
- Skills demonstrated
- Learning evidenced

#### Drawbacks:

- Takes time to learn to mark
- Need to develop appropriate feedback
- Feed forward may not be relevant to further assessments

## University Value and Relevance



Learning to...  
**THINK**



Learning to...  
**MAKE  
CONNECTIONS**



Learning  
to...  
**CREATE**



Learning to...  
**EXPLORE**



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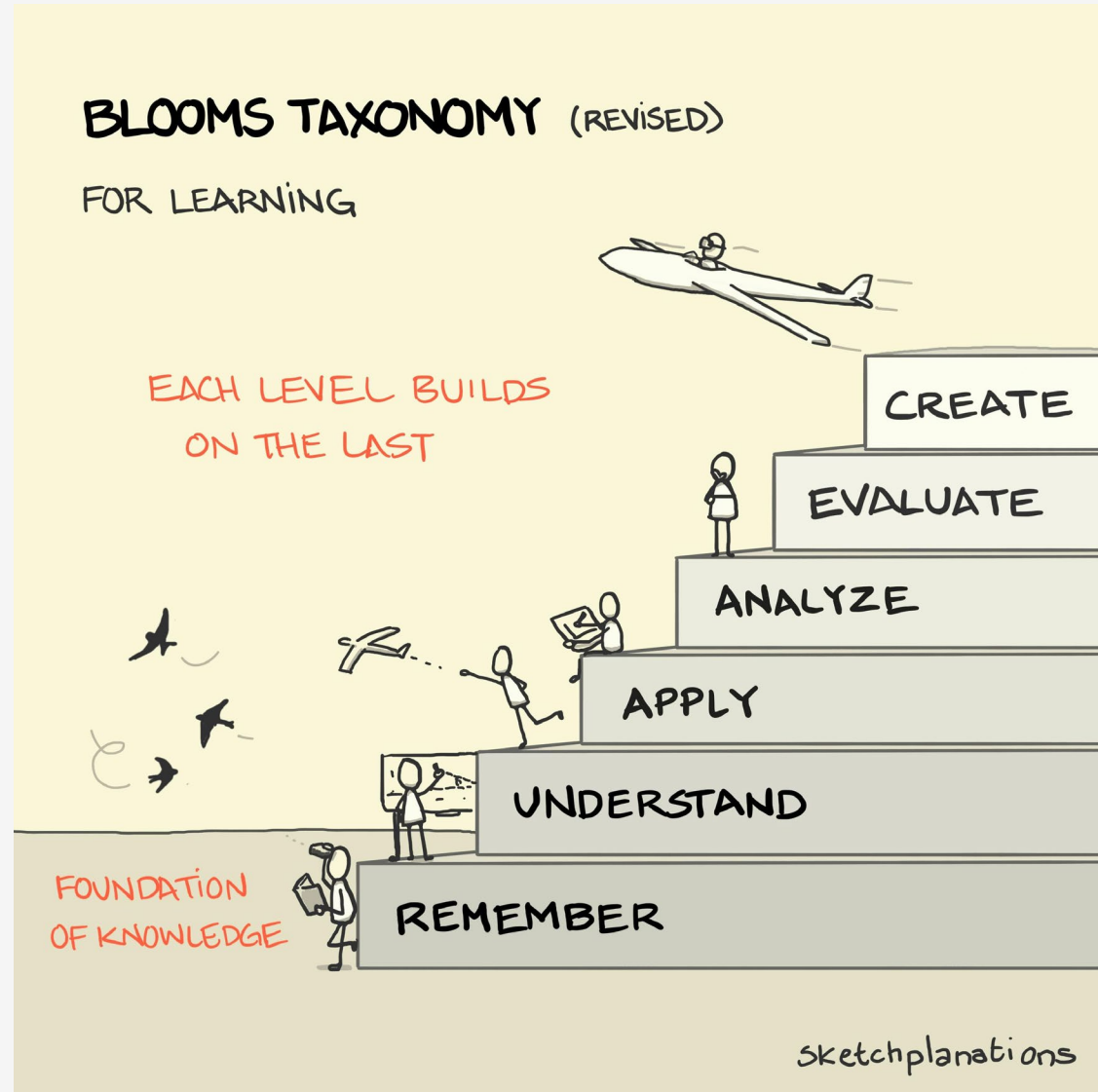


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Jono Hey,  
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# AI May Be Smart, But Human Ingenuity Is Sustainable: Real-World Assessments in Applied Paediatrics Skillset Development and Incorporating Tools such as AI



Image from Imperial College Asset Library  
ImperialTranslation-019

## The Importance of Humanness



Image created by Microsoft Copilot on 17/03/2025.  
Description: A person shouting into a phone in a futuristic cityscape.  
Generated from user (HH) prompts.



## Human Judgement and Ingenuity

THE  
WRITER'S  
IN THE  
WRITING



sketchplanations



THE  
ARTIST'S  
IN THE  
ART

sketchplanations

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[Sketchplanations](https://www.sketchplanations.com/)  
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# AI May Be Smart, But Human Ingenuity Is Sustainable: Real-World Assessments in Applied Paediatrics

## Human Sustainability vrs. Tools and AI Sustainability



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Image created by Microsoft Copilot on 21/03/2025.  
Description: A young man on a computer  
Generated from user (HH) prompts.

# AI May Be Smart, But Human Ingenuity Is Sustainable: Real-World Assessments in Applied Paediatrics

## The Costs-Benefits and Sustainability of Tools such as AI

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# AI May Be Smart, But Human Ingenuity Is Sustainable: Real-World Assessments in Applied Paediatrics Either...Or?

## THE THIRD TEACHER

A WELL-DESIGNED LEARNING ENVIRONMENT

1 FIRST TEACHER

TEACHER or PARENT

2 SECOND TEACHER

PEERS

3 THIRD TEACHER

ENVIRONMENT



sketchplanations

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*Thank  
You*