Background information on Taxonomies of Learning

(”From Aspirations to Capabilities – Challenges for outcomes-based curricula”, Professor Martin Henson**,** University of Essex UK)**

Bloom's cognitive learning domain identified six levels of intellectual ability of increasingly sophisticated levels.

1. *Knowledge*, involving the recall of information.
2. *Comprehension*, involving understanding that information.
3. *Application*, involving the application of knowledge.
4. *Analysis*, involving understanding through the decomposition of knowledge.
5. *Synthesis*, involving understanding through the construction of` knowledge.
6. *Evaluation*, involving the (value) judgement of knowledge.

In Anderson and Krathwohl's taxonomy, the cognitive process dimension comprises:

1. *Remember* – recognize recall.
2. *Understand* – interpret, classify, compare, explain, summarize.
3. *Apply* – execute, implement.
4. *Analyze* – differentiate, organize, derive, discriminate, criticize.
5. *Evaluate* – assess, contrast, judge, select, appraise.
6. *Create* – design, modify, generate, plan, produce.

Alongside this is the knowledge dimension:

1. *Factual knowledge* – facts, terminology.
2. *Conceptual knowledge* – classifications, principles, theories, models
3. *Procedural knowledge* – techniques, methodologies, finite skills, strategies.
4. *Meta-cognitive knowledge* – reflection, self-evaluation, reviewing.