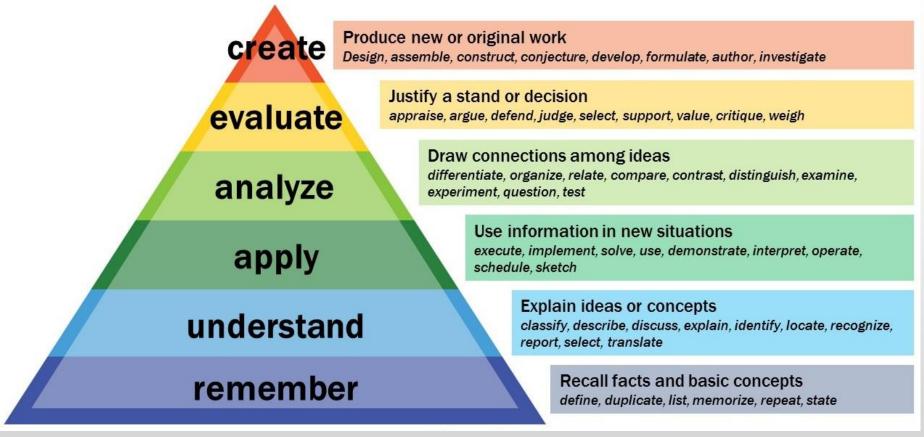


Emotional Intelligence #1 Dr. KH. Abdul Wahid Maktub

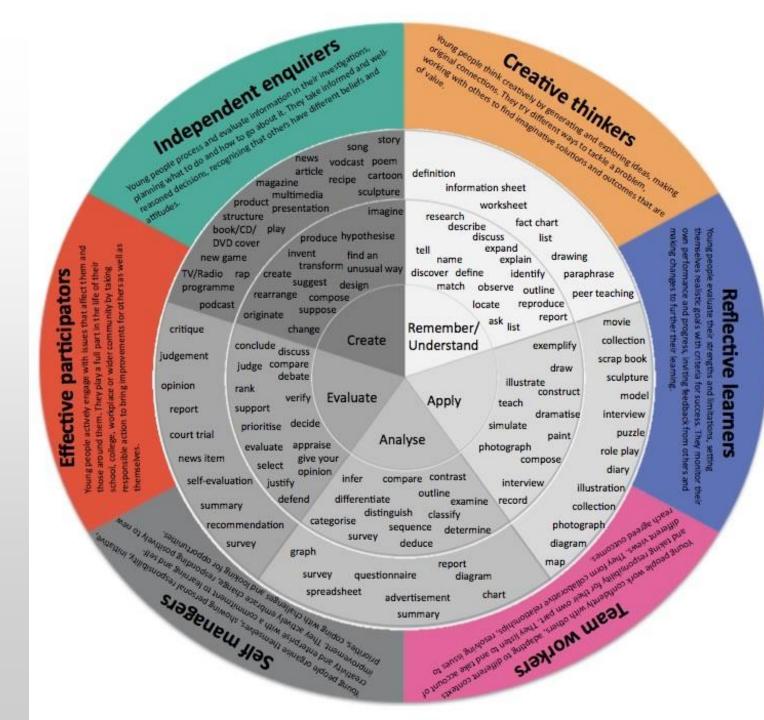
Tim Penyusun

Bloom's Taxonomy



Taksonomi, menurut kamus besar bahasa Indonesia mempunyai arti "klasifikasi bidang ilmu; kaidah dan prinsip yang meliputi pengklasifikasian objek". Taksonomi Bloom sendiri adalah taksonomi dalam bidang kependidikan yang dicetuskan oleh Benjamin S. Bloom. Taksonomi ini bertujuan untuk mengklasifikasikan materi atau tujuan dari pendidikan.

Roda Taxonomy (Taxonomy Wheel) atau PLTS (Personal Learning & Thinking)



Roda Taxonomy (Taxonomy Wheel)/ PLTS (Personal Learning & Thinking)

The innermost circle are the categories of the taxonomy – Lingkaran paling dalam menunjukkan kategori dari taxonomy

The second circle key identified words and the third circle some activities that can be linked with these words – Lingkaran kedua mengidentifikasi kategori taxonomy dan lingkaran ketiga menjelaskan tentang aktivitas yang dapat dikaitkan dengan kategori taxonomy tersebut

The PLTS (Personal Learning and Thinking Skills) categories are added as an independent external wheel which can be applied to any section of the taxonomy – Kategori PLTS (Kemampuan Berpikir dan Memahami Individu) ditambahkan sebagai bagian dari roda eksternal yang dapat diterapkan di semua bagian dari taxonomy.

This adaptation is Krathwohl and Anderson's (2001) adaptation of Bloom (1956) and has had the PLTS (New Secondary Curriculum 2008) added as an extra wheel. The version was produced by Sharon Artley used with permission.

Roda Taxonomy (Taxonomy Wheel) – Lingkaran terluar

- **Creative thinkers** think creatively by generating and exploring ideas making original connections. They try different ways to tackle a problem, working with others to find imaginative solutions and outcomes that are of value.
- Pemikir kreatif berpikir kreatif dengan menghasilkan dan mengeksplorasi ide yang membuat koneksi orisinal. Mereka mencoba berbagai cara untuk mengatasi masalah, bekerja dengan orang lain untuk menemukan solusi imajinatif dan hasil yang bernilai.
- **Reflective learners** evaluate their strengths and limitations, setting themselves realistic goals with criteria for success. They monitor their performance and progress, inviting feedback from others and making changes to further their learning.
- Pembelajar reflektif mengevaluasi kekuatan dan keterbatasan mereka, menetapkan tujuan yang realistis dengan kriteria untuk sukses. Mereka memantau kinerja dan kemajuan mereka, mengundang umpan balik dari orang lain dan membuat perubahan untuk memajukan pembelajaran mereka.

Roda Taxonomy (Taxonomy Wheel) – Lingkaran terluar

- **Team workers** work confidently with others, adapting to different contexts and taking responsibility for their own part. The listen to and take account of different views. They form collaborative relationships, resolving issues to reach agreed outcomes.
- Pekerja tim bekerja dengan percaya diri dengan orang lain, beradaptasi dengan konteks yang berbeda dan mengambil tanggung jawab untuk bagian mereka sendiri. Mendengarkan dan memperhitungkan pandangan yang berbeda. Mereka membentuk hubungan kolaboratif, menyelesaikan masalah untuk mencapai hasil yang disepakati.
- **Self-managers** organize themselves, showing personal responsibility, initiative, creativity, and enterprise with a commitment to learning and self-improvement. They actively embrace change, responding positively to new priorities, coping with challenges and looking for opportunities.
- Manajer diri mengatur diri mereka sendiri, menunjukkan tanggung jawab pribadi, inisiatif, kreativitas, dan usaha dengan komitmen untuk belajar dan peningkatan diri. Mereka secara aktif merangkul perubahan, menanggapi secara positif prioritas baru, mengatasi tantangan dan mencari peluang.

Roda Taxonomy (Taxonomy Wheel) – Lingkaran terluar

- **Effective participators** actively engage with issues that affect them and those around them. They play a full part in the life of their school, college, workplace, or wider community by taking responsible action to bring improvements for others as well as themselves.
- Partisipan yang efektif secara aktif terlibat dengan masalah yang memengaruhi mereka dan orang di sekitar mereka. Mereka memainkan peran penuh dalam kehidupan sekolah, perguruan tinggi, tempat kerja, atau komunitas yang lebih luas dengan mengambil tindakan yang bertanggung jawab untuk membawa perbaikan bagi orang lain dan juga diri mereka sendiri.
- **Independent enquirers** process and evaluate information in their investigations, planning what to do and how to go about it. They take informed and well-reasoned decisions, recognizing that others have different beliefs and attitudes.
- Penanya independen memproses dan mengevaluasi informasi dalam penyelidikan mereka, merencanakan apa yang harus dilakukan dan bagaimana melakukannya. Mereka mengambil keputusan yang terinformasi dan masuk akal, mengakui bahwa orang lain memiliki keyakinan dan sikap yang berbeda.

LOTS (lower order thinking skills)

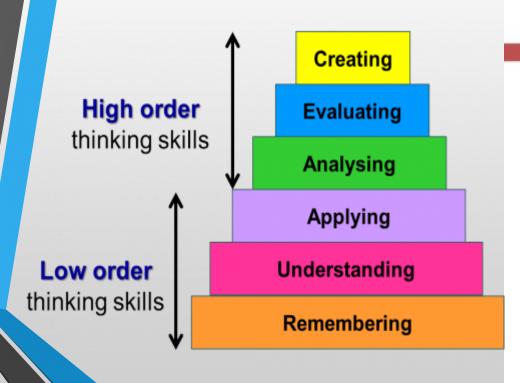
HOTS (higher order thinking skills)

remember understand analyse evaluate apply create recognise check interpret compare design implement hypothesize list organise summarize construct critique describe deconstruct infer plan carry out identify experiment attribute paraphrase produce retrieve outline judge classify use invent find test name devise compare detect locate structure execute explain make find integrate monitor

LOTS = Low Order Thinking HOTS = High Order Thinking

LOTS adalah keterampilan berpikir tingkat rendah, LOTS merupakan singkatan dari Lower Order Thinking Skills. Pada hal ini LOTS memiliki tingkatan mudah. HOTS atau Higher Order Thinking Skills memiliki arti keterampilan berpikir tingkat tinggi.

HOTS memiliki tingkatan sulit. Sesuai dengan namanya disini kita akan berpikir secara tinggi. Maksudnya, kita akan berpikir secara kritis dalam menjawab pertanyaan dan hal ini benar - benar akan menyulitkan kita dalam menjawab pertanyaan yang diajukan.



LOTS and HOTS

LOTS	HOTS
To remember information	To develop reasoning skills
To order information	To develop enquiry and discussion
To define objects	To develop creative thinking
To check understanding	To evaluate the work of oneself and others
To review learning	To hypothsesis about what could happen



EVALUATING

APPLYING

REMEMBERING

CREATING

The learner must be able to pull together parts of knowledge to form a new whole and build relationships for new situations.

Assemble, Assimilate, Build, Categorize, Collect, Combine, Compile, Compose, Condense, Construct, Create, Design, Derive, Detail, Devise, Elaborate, Execute, Expand, Generate, Glean, Guide, Form, Frame, Hypothesize, Incorporate, Integrate, Invent, Manage, Modify, Originate, Organize, Plan, Portray, Prepare, Prescribe, Produce, Propose, Publish, Reconstruct, Refine, Reorganize, Simplify, Synthesize, Theorize, Transform,

OBJECTIVES

- · Create a dance outfit that reflects the tone of a musical selection. . Design a healthy, five-day meal plan to increase the intake of iron and potassium while maintaining a low fat intake.
- · Write a blog detailing the beliefs and expectations you had going into student teaching and the realities or challenges you experience as a source of advice for future education students.

ANALYZING

DEFINITION

The learner must be able to break down knowledge into parts, and show and explain the relationships among the parts.

Analyze, Appraise, Associate, Break Down, Catalog, Chart, Classify, Compare, Correlate, Criticize, Discern, Deduce, Designate, Diagram, Discriminate, Dissect, Distinguish, Edit, Elect, Establish, Experiment, Explain, Expound, Illustrate, Inspect, Inventory, Isolate, Parse, Profile, Question, Refute, Segment, Separate, Subdivide, Summarize, Survey, Test,

OBJECTIVES

- Compare and contrast the differences between three positions or movements in ballet and jazz.
- · Examine a given grocery receipt and distinguish the relationship between the cost of healthy foods and the cost of unhealthy foods purchased
- . Differentiate between inductive and deductive teaching.

OBJECTIVES

DEFINITION

OBJECTIVES

DEFINITION

another task.

inductive and deductive teaching.

The learner must be able to use or apply

knowledge or skills to new situations. The learner

must be able to use information and knowledge to solve a problem, answer a question, or perform

The learner must be able to judge or assess the

value of material and methods for a given purpose.

Argue, Appraise, Assess, Attack, Champion, Compare and Contrast, Conclude,

Critique, Debate, Decide, Deduce, Diagnose, Dispute, Evaluate, Forecast,

. When given a list, assess and justify which brand of shoes is best

. Rank a given list of produce according to their levels of folic

acid and availability as fresh, not frozen, in your local market.

· Given a specific lesson topic, explain whether you would use

Improve, Influence, Interpret, Judge, Justify, Measure, Prioritize, Prove, Rank,

Rate, Recommend, Resolve, Revise, Score, Select, Solve, Support, Value, Verify,

· Based on your understanding of human cells, label similar parts of

Adapt, Add, Allocate, Alter, Apply, Calculate, Change, Choose, Complete, Compute, Conduct, Coordinate, Delineate, Demonstrate, Determine, Develop,

Gather, Graph, Make, Manipulate, Model, Multiply, Operate, Perform, Practice, Present, Provide, Recount, Report, Respond, Schedule, Show, Sketch, Subtract,

Direct, Discover, Divide, Dramatize, Draw, Employ, Examine, Exhibit, Formulate,

- Demonstrate cell division using manipulatives.
- . Choose an element from your lesson plan and describe the activities that it would consist of.

UNDERSTANDING

DEFINITION The learner must be able to grasp the of the information, express it in his or her own words, and/or cite examples.

VERBS

Articulate, Characterize, Compute, Communicate, Confirm, Contrast, Convert, Defend, Differentiate, Equate, Estimate, Explain, Express, Extend, Extrapolate, Generalize, Give Examples, Group, Instantiate, Liken, Map, Order, Paraphrase, Predict, Reorder, Rephrase, Represent, Restate, Retell, Rewrite, Sort, Substitute, Tell, Trace, Translate

OBJECTIVES

- . Describe what the function of the cell membrane is.
- · Provide an example of a student product at the Bloom's Taxonomy level "Creating."
- . Defend your chosen elements of an effective lesson plan.

The learner must be able to recall information, such as dates, events, places, ideas, definitions, formulas, theories, etc.

Arrange, Define, Describe, Draw, Duplicate, Identify, Indicate, Label, List, Locate, Match, Name, Outline, Pick, Point, Pronounce, Ouote, Recall, Recite, Recognize, Record, Relate, Repeat, Reproduce, Retrieve, Say, Select, State, Tell, Underline

OBJECTIVES

- · Correctly label the parts of the human cell.
- . Name the levels in Bloom's Taxonomy starting with the lowest level.
- · Identify the elements in an effective lesson plan starting at the beginning.

Combining parts to make a new whole

Create

Judging the value of information or ideas

Evaluate

Breaking down information into component parts

Analyze

Applying the facts, rules, concepts, and ideas

Apply

Understanding what the facts mean

Understand

Recognizing and recalling facts

Remember

🗘 tips.uark.edu

Evaluation

Make and defend judgments based on internal evidence or external criteria.

appraise
argue assess attach
choose compare conclude
contrast defend describe discriminate
estimate evaluate explain judge justify interpret
relate predict rate select summarize support value

Higher Order Thinking Skills

Synthesis

Compile component ideas into a new whole or propose alternative solutions.

formulate generate plan prepare rearrange reconstruct relate reorganize revise rewrite set up summarize synthesize tell write analyze appraise breakdown calculate categorize compare

arrange assemble categorize collect combine comply

compose construct create design develop devise explain

Analysis

Break down objects or ideas into simpler parts and find evidence to support generalizations.

Application

Apply knowledge to actual situations.

apply change choose compute demonstrate discover dramatize employ illustrate interpret manipulate modify operate practice predict prepare produce relate schedule show sketch solve use write

Comprehension

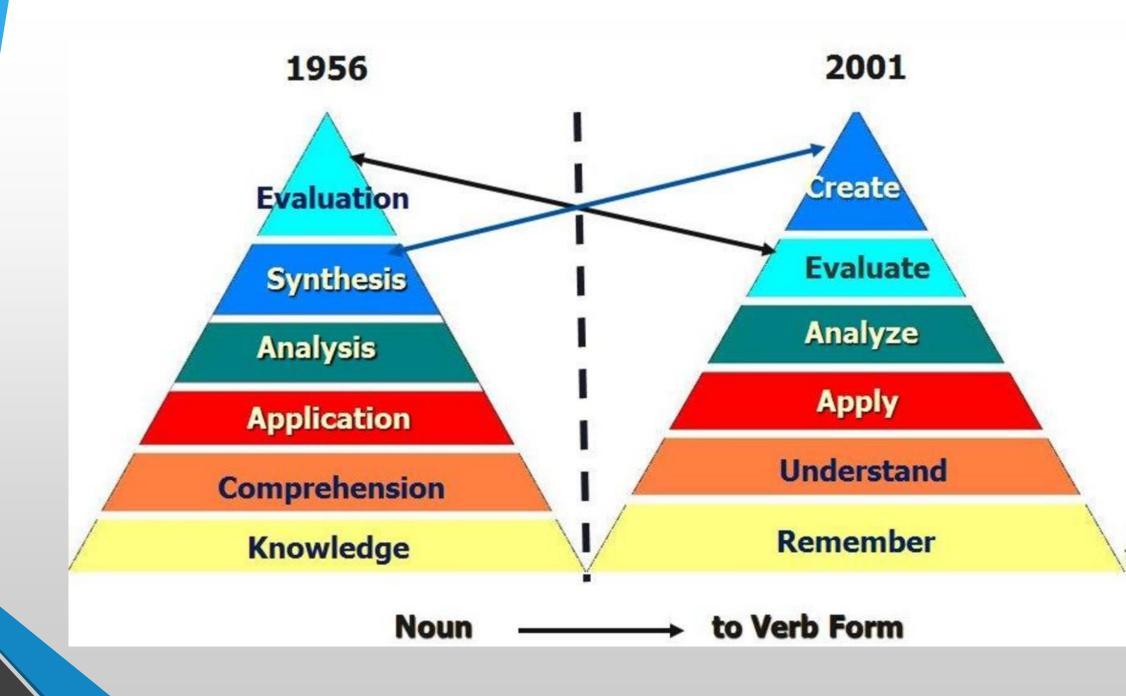
Demonstrate an understanding of the facts.

classify convert defend describe discuss distinguish estimate explain express extend generalized give example(s) identify indicate infer locate paraphrase predict recognize rewrite review select summarize translate

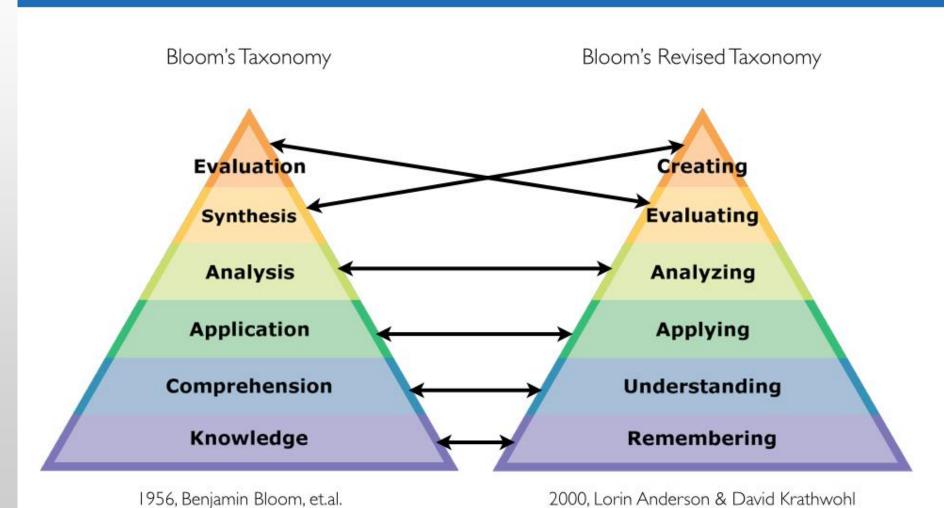
Knowledge

Remember previously learned information.

arrange define describe duplicate identify label list match memorize name order outline recognize relate recall repeat reproduce select state



Bloom's Revised Taxonomy



facts

- Jakarta is the capital city of Indonesia
 - Painting is an art
- The sun rises in the east



opinion

- Jakarta is not a good place to live @
- Joko Pekik is the greatest Indonesian painter
- It is nice to see the sunrise from the peak of Borobudur

All the facts can be proved by observation or finding the information in books and internet. However, people will have different ideas about living in Jakarta, the quality of great painter, or good place to enjoy sunrise.



LOTS

Mengingat (remembering) Memahami (Understanding) Mengaplikasikan (Applying)

HOTS

Menganalisis (Analyzing) Mengevaluasi (Evaluating) Mencipta (Creating)

Question Forms



Walton Palmer Academies

Descriptive Thinking

Explanative Thinking

Predictive Thinking

Prescriptive Thinking



Thank you