



Prayas: A Computer and iPad Training Center for Individuals with Autism Spectrum Disorders

Parent Empowerment Programme: Batch III

June 2012- October 2012

Project Collaborators

SAP Labs India Pvt. Limited Bangalore.

a partner in “**Prayas**” as a Funding and technical organization along with their dedicated volunteerism.

Spastics Society of Karnataka, Indira Nagar, Bangalore

a knowledge driven NGO, has given space and been a partner in curriculum development.

Autism Society of India, Bangalore.

initiated the project “**PRAYAS**”, and is responsible for effective execution.

Why Computers and iPad?

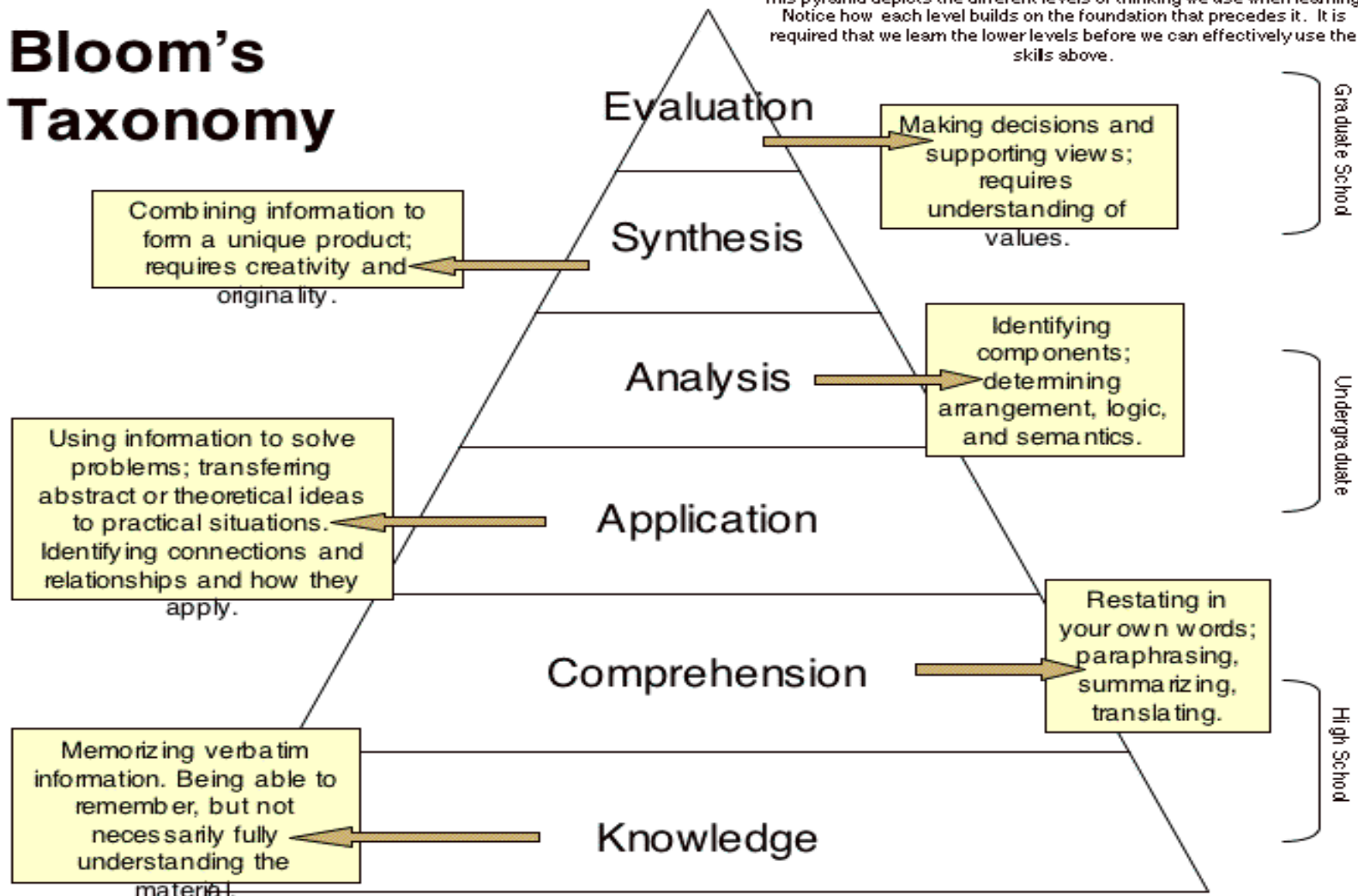
- Computers as non threatening tool.
- Tasks appear in sequences.
- Audio-visual modality.

- iPad decreases distractibility.
- No interfaces like, key board, mouse.
- Tasks can be repeated.
- Apps are designed on the basis of perception.

Principle applied...

Bloom's Taxonomy

This pyramid depicts the different levels of thinking we use when learning. Notice how each level builds on the foundation that precedes it. It is required that we learn the lower levels before we can effectively use the skills above.

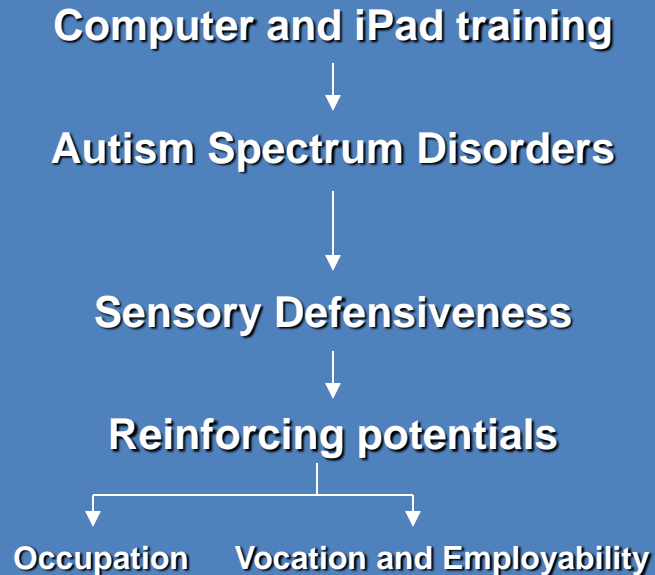


Order of Thinking Skills

Skill	Sample prompts	Purpose	Level
Remembering	<i>recognize, list, describe, identify, retrieve, name</i>	memorize and recall facts	LOWER
Understanding	<i>describe, explain, estimate, predict</i>	understand and interpret meaning	
Applying	<i>implement, carry out, use, apply, show, solve</i>	apply knowledge to new situations	
Analyzing	<i>compare, organize, cite differences, deconstruct</i>	break down or examine information	HIGHER
Evaluating	<i>check, critique, judge hypotheses, conclude, explain</i>	judge or decide according to a set of criteria	
Creating	<i>design, construct, plan, produce</i>	combine elements into a new pattern or product	

Concept and Curriculum

Concept



Curriculum

At present the curriculum is titled as a **“PROCESS”**, this requires the continuity, flow and follow-up of learning.

it will soon be a **“PRODUCT”** by dividing in to **Basic, Intermediate and Advanced Courses.**

Categories

- Introduction to Self
- Knowledge About Computer (Computer skills)
- Readiness in Language and Math
- Language Skills/ Grammar
- General Awareness
- Visual sequencing/ Pattern recognition
- Emotional Awareness
- Creative Work
- Story Telling
- Reasoning
- Time and Calendar
- Leisure Activity
- Design software
- Management of Documents

Parent Empowerment Programme

- The General Use of Technology, Software applications and Tools meant for vocation to Strengthen the learning in the individual.
- iPad intervention.
- Perception and Autism Spectrum Disorders
- Transition and Vocational Training
- Soft skill Development

Prayas: Future

- To recognize and use iPad as an add-on, early intervention and communication tool.
- To develop a skill based certified programme related to computers which caters to the needs of employment.
- To explore all possible areas of employment in OPEN, SUPPORTED and SHELTERED SITUATIONS.