

# Who is a Thinker?

Thinkers are knowledge-able, instead of information-full. They are problem solvers, self-aware, compassionate, productive citizens. A Thinker is truly well-rounded and will exhibit these eleven skills:



## **Creative Thinking**

to be inventive, insightful, and imaginative to create new ideas, innovations, inventions, and energy.

## **Systems Thinking:**

to think about the wider context of a situation to avoid unintended outcomes or consequences.

## **Critical Thinking**

to think analytically, identify biases, and sees flaws in logic; and ask intelligent questions to seek deeper understanding.

## **Prosocial Thinking**

to recognize self as a citizen of a larger community by considering others, developing effective communication and deep listening skills.

## **Emotionally intelligent:**

to be aware of one's internal dialogue and feelings; and to have empathy and compassion for self and others.

## **Scientific Thinking**

to think independently, acknowledge biases, be open minded, and seek evidence to support one's theories about reality.

## **Design Thinking**

to break things or ideas down to their essential structure, attend to both form and function, and develop the simplest possible solution under existing constraints.

## **Metacognitive:**

to be aware of and understand one's own thinking processes.

## **Deep understanding:**

to go beyond memorization and recall of information to develop complex comprehension.

## **High transfer:**

to apply knowledge that was built in one domain or experience to facilitate learning in another domain or experience.

## **Object-oriented:**

to represent concepts/ideas as "objects" that have structure and patterns of interaction.

Research shows that underlying ALL of the above THINKING TYPES are four simple metacognitive patterns:

Making **distinctions** between and among ideas.  
Organizing ideas into **systems** of parts and wholes.

Identifying **relationships** between ideas.  
Taking many **perspectives** on any idea.