

## Problem-Solving-01052021

**The definition of the problem will be the focal point of all your problem-solving efforts.**

As such, it makes sense to devote as much attention and dedication to problem definition as possible. What usually happens is that as soon as we have a problem to work on, we are so eager to get to solutions that we neglect spending any time refining it.

[Framing the Problem](#)

[Mind mapping](#)

### **Design and Tinkering:**

Tinkering is a playful style of design by making constant experiments and exploring new ideas in the design process.

It is celebrating the iterative and divergent/ convergent process that is part of the design process.

Every problem is an opportunity; The bigger the problem the bigger the opportunity. **"V. Kosla" [see YouTube video](#) *"This is the foundation of Entrepreneurship"***

problem is nothing more than an opportunity in work clothes. A successful business person pays attention to problems, converting the problems into opportunities and deciding which opportunities are worth pursuing.

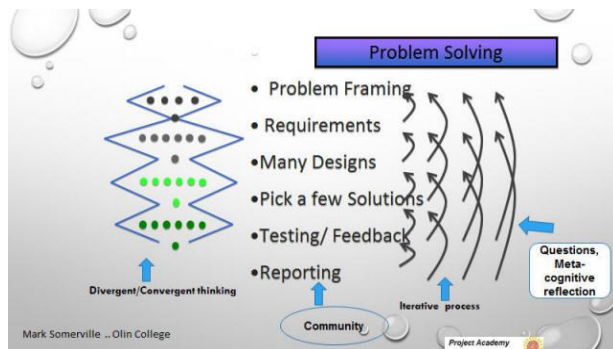
Thinkertoys, Michael Michalko p22





## Problem solving process

<a href="#">Creative thinking</a>
<a href="#">Critical thinking</a>
<a href="#">Questioning</a>
<a href="#">Reflection</a>
System thinking



## Research

### What questions do I need to ask?

- What do I know?
- What don't I know?
- What do I need to know?

## Developing [requirements](#)

*Must / Wants*

- ( WHO, WHAT AND WHY) IN SETTING UP THE BUSINESS
- Who is the customer or audience?
- What do they need?
- Why do they need this?
- How are we going to judge our design?

## Doing the Design

### [Brain writing](#)

Creative and team communication

Magical thinking





<u>Shaping</u> Narrowing the choices	Sorting (Mundane, Stretch, Magical) Team communication
<u>Decisions</u>	<b>Building decision table, Picking the best</b> Select a solution, based on the requirements:
Testing  Iteration of ideas	Going to the community  Important to have business, organizations, and family as part of the assessment

**Tools** <http://www.projectacademy.org/Top-sheet/tools-questions.html>

