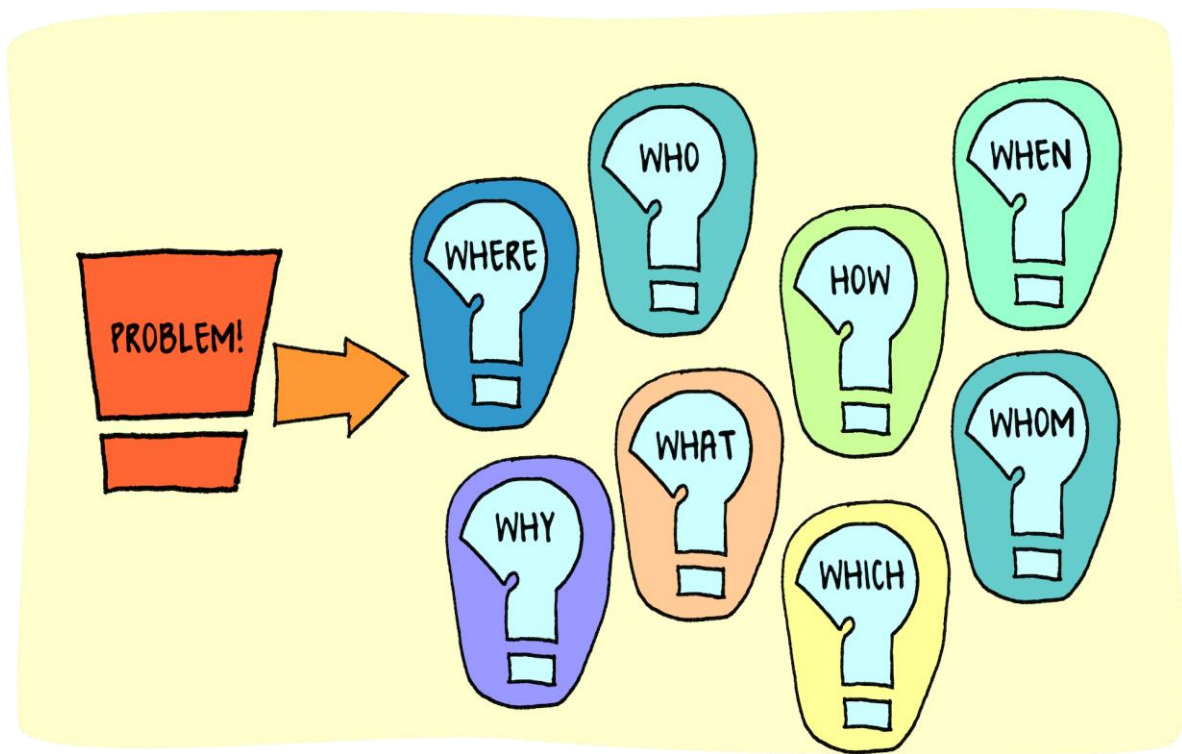


# Forth Quarter Note for Grade Nine

## Unit Six

### PROBLEM SOLVING SKILLS

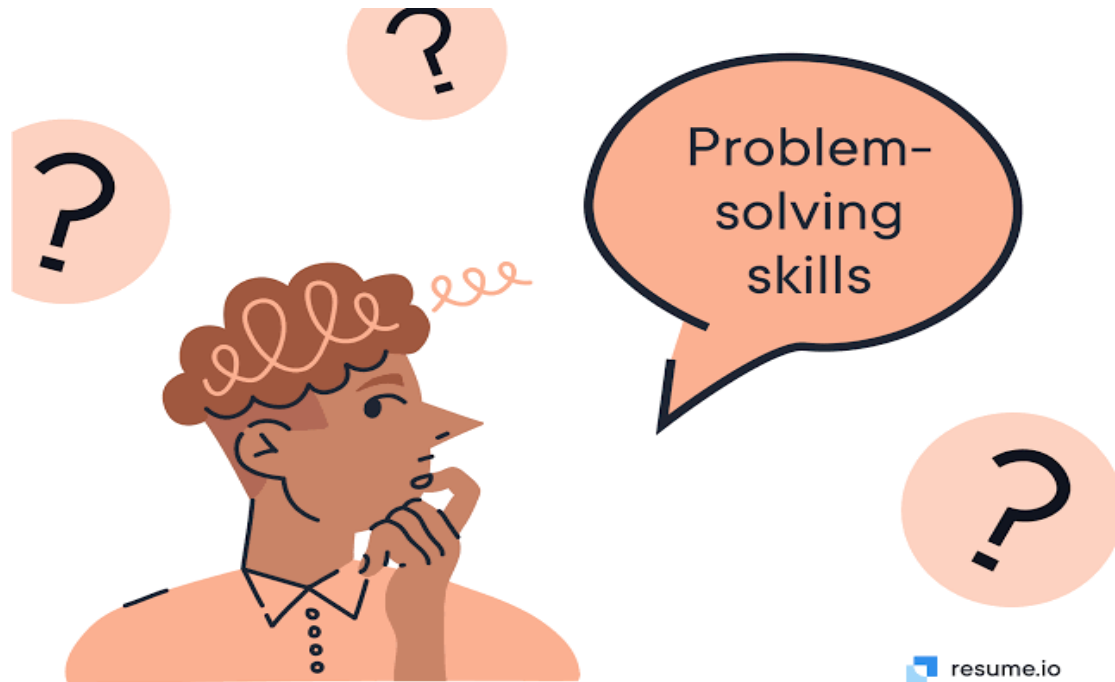
#### 1. What is a problem ?



- It is a matter or situation regarded as unwelcome or harmful and needing to be dealt with and overcome.
- A problem can be defined as a challenge, obstacle, or issue that requires solution, resolution, or

management to achieve a desired outcome or address a specific concern.

## 2. What is problem solving



skills ?

- Problem-solving skills are the abilities needed to identify and resolve issues effectively. This includes defining the problem, brainstorming potential solutions, analyzing their feasibility, and implementing analyzing their feasibility, and implementing the best course of action.

- Essentially, it's about thinking critically, creatively, and systematically to overcome obstacles and achieve desired outcomes.
- **Key Components of problem solving Skills**
  - Analysis and Evaluation:
  - Problem Identification
  - Solution Generation:
  - Decision-Making
  - Implementation and Evaluation:
- **Problem solving and decision making**
  - Are very inter linked
  - Decision making is about selecting the right option from a number of the available alternatives
- Problems are natural and an avoidable, but problem solving skills are very essential to solve problems that we might face in our day to day life .
- There is no a right way to solve a problem. Thus, different people solve their problem differently, but best problem solvers use various methods to solve a problem.

## **THE IMPORTANCE OF PROBLEM SOLVING SKILLS**

- Is the skill acquired or nurtured ?
- Why do we need the skills of problem solving?
- Do you think, as a teen do we need to have problem solving skills ?
- If your answer is yes, why you need to have it ?

## **1. In Personal Life:**

- Problem-solving skills help you overcome daily challenges, make informed decisions, and manage personal situations effectively.

## **2. In the Workplace**

- These skills are crucial for innovation, conflict resolution, and achieving organizational goals.

## **3. In Society**

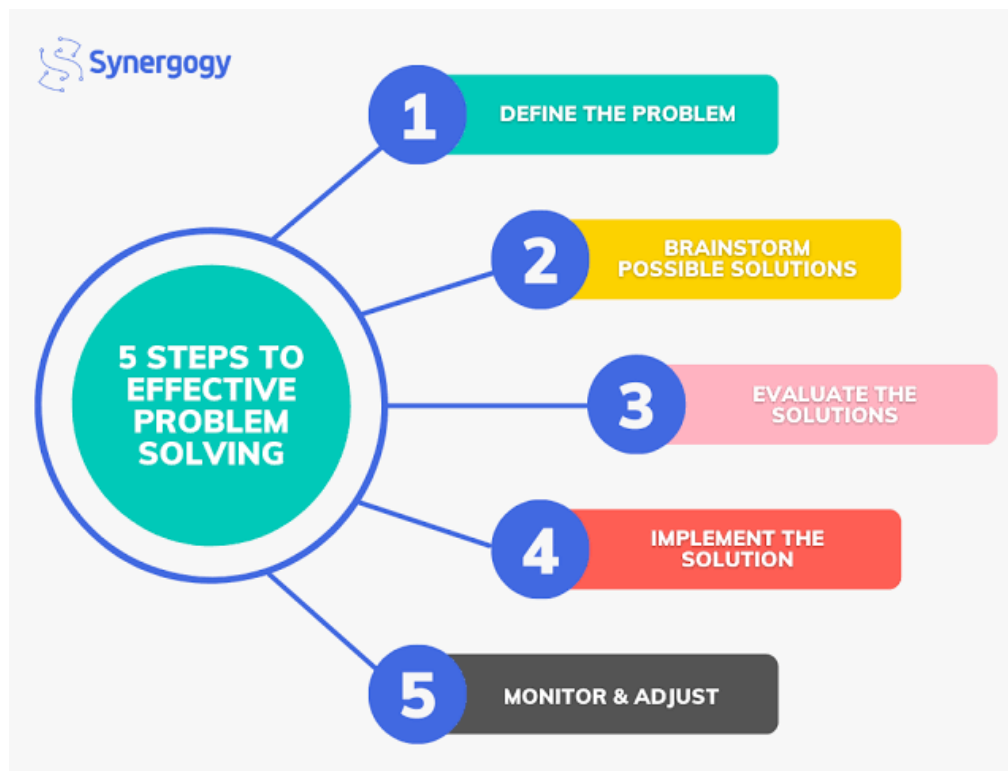
- Effective problem-solving contributes to addressing complex issues like environmental sustainability, public health crises, and economic challenges.
- A good problem solving skills enables us
  - To identify the problem
  - To define the problem

- Create alternative solutions
- Evaluate and and select the best option
- Apply the selected solution

@ **Remember** :Receiving a response and responding is also part of the best problem solving skills

- **Problem solving skill and process are critical part of our daily life**
- **Receiving a response and responding**
- **PROBLEM SOLVING SKILLS NEEDS**
  - Negotiations skills
  - Cooperation/ collaboration skills
  - Diversity tolerance skills
  - Effective listening skills etc.
  - Good Decision making
  - Brainstorming ability
  - Building trust and credibility
  - Build self development and creativity
  - Being open minded etc.

## **STEPS IN PROBLEM SOLVING**



- Steps **1. Defining the problem**
  - Identifying the problem

- Identifying the root of the problem
- Identity the nature of the problem
- Understand the problem

## **2. Brain storm the priblem**

- Collect facts
- Be creative

## **3. Decide a solution**

- Consider all the options
- Select best strategy
- Analyze collected facts
- Break into smaller pieces

## **4. Implement the solution**

- Draw an action plan
- Follow through chosen strategy
- Commit to particular solution
- Put into action

# **Problem solving skills**

## **1. Conflict resolution**

- The capacity to recognize and respond to important matters
- A readiness to forgive and forget
- The ability to seek compromise and avoid punishing
- A belief that resolution that support the interest of both parties

## 2. Critical thinking

- Open minded
- Logical and rational
- Willing reassess information
- Considered a wide range of perspectives
- Open to all reasonable possibilities

**Characteristics of good problem solver**



## Qualities of Good problem solver

**Note:** remember there is no a single way to solve a problem

- A good problem solver are people who use a combination of their intuition and logic
- A good problem solvers recognize that there is almost always more than one solution

## Some common characteristics of good problem solvers

- They have a clear definition of a problem at hand
- They reasonably open minded ,but logically skeptical
- They look for opportunities within the problems

- They see problems as challenges and try to learn them
- They do prevention than intervention
- They have reasonable expectations