Passerelles numériques

A Gateway for Life

Lesson 3: Problem Solving and SWOT Analysis

Module 3 – Professional Life

A G E N D A

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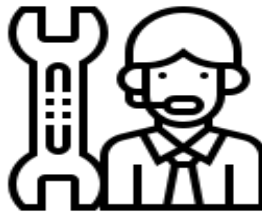
Problem and effective problem solver

កំណត់

*Define what the **problem** is and how to be an effective **problem solver** …*

មានប្រសិទ្ធិភាព

Instruction (10 minutes)

- Whole class - brainstorming

What is a problem?

តើបញ្ហាគឺជាស្ថានភាពដែលត្រូវបានស្វាគមន៍ទេ?

- Is a problem a welcomed situation?

តើបញ្ហាអាចបង្កអន្តរាយដល់អ្នកទេ?

- Can a problem harm you?

តើអ្នកត្រូវការដោះស្រាយបញ្ហាទេ?

- Do you need to deal with a problem?

តើអ្នកជាធម្មតាត្រូវជំនះបញ្ហាមែនទេ?

- Do you usually need to overcome a problem?

បញ្ហា   ស្ថានភាព   ចាត់ទុក

Problem is a matter or situation regarded as unwelcome or harmful and needing to be dealt with and overcome.

ចែកជូន   ជំនះ

Instruction (15 minutes)

ACTIVITY

ជាលក្ខណៈបុគ្គល

- Students work individually. ខ្ញុំ

- Students take out a small piece of paper and write two of their current problems about study or life.

ដើរ នៅជុំវិញ

- Students walk around the class to share their problems to their classmates.

- Trainer selects a few students to share their problems to the class.

វិធីក្លាយជាអ្នកដោះស្រាយបញ្ហាដែលមានប្រសិទ្ធភាព

How to be an effective *problem solver*

Skills that an effective *problem solver* should have...

ជំនាញដែលជាអ្នកដោះស្រាយបញ្ហាដែលមានប្រសិទ្ធភាពគួរតែមាន

creativity

emotional intelligence

researching skills

risk management
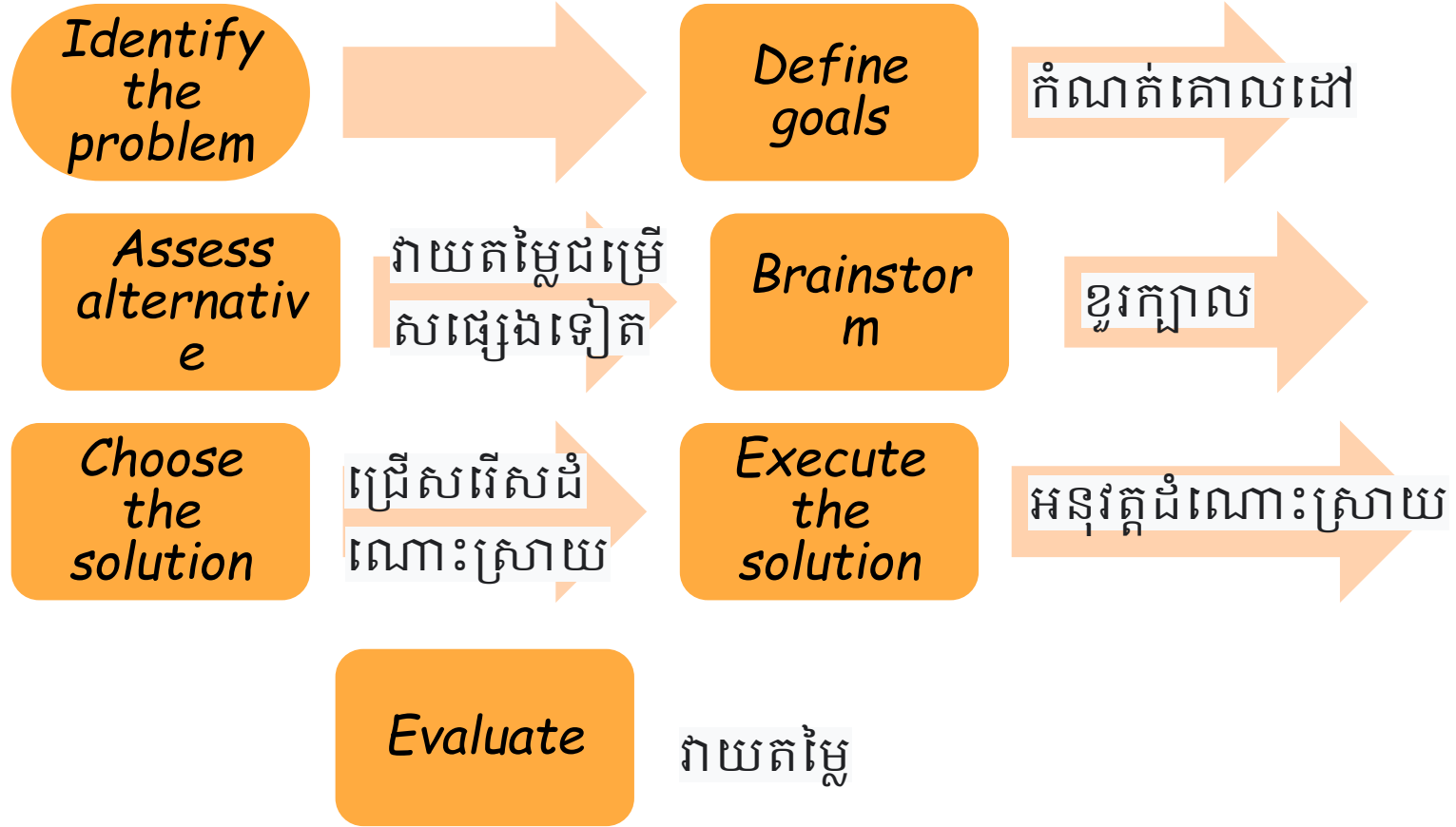
team work

decision making

PN

Instruction (50 minutes)

- Students work in groups of 3.

សណ្ដាប់ធ្នាប់

- Students discuss in order to choose the two best skills of the six that an effective problem solver should possess and explain **why...**

- Each group presents it to the class.

7 steps for effective problem solving...

Identify the problem → កំណត់បញ្ហា → **Define goals** → កំណត់គោលដៅ →

Assess alternative → វាយតម្លៃជម្រើសផ្សេងទៀត → **Brainstorm** → ខួរក្បាល →

Choose the solution → ជ្រើសរើសដំណោះស្រាយ → **Execute the solution** → អនុវត្តដំណោះស្រាយ →

Evaluate → វាយតម្លៃ

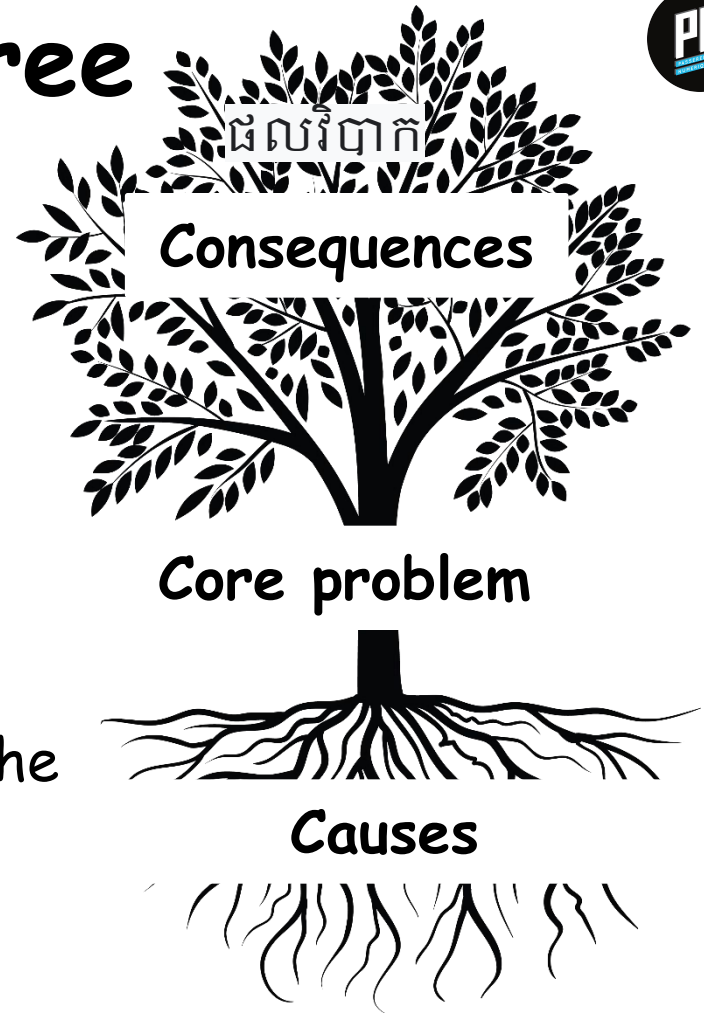# Problem tree

បង្ហាញ បង្កើត

Demonstrate how to create a *problem tree**…*
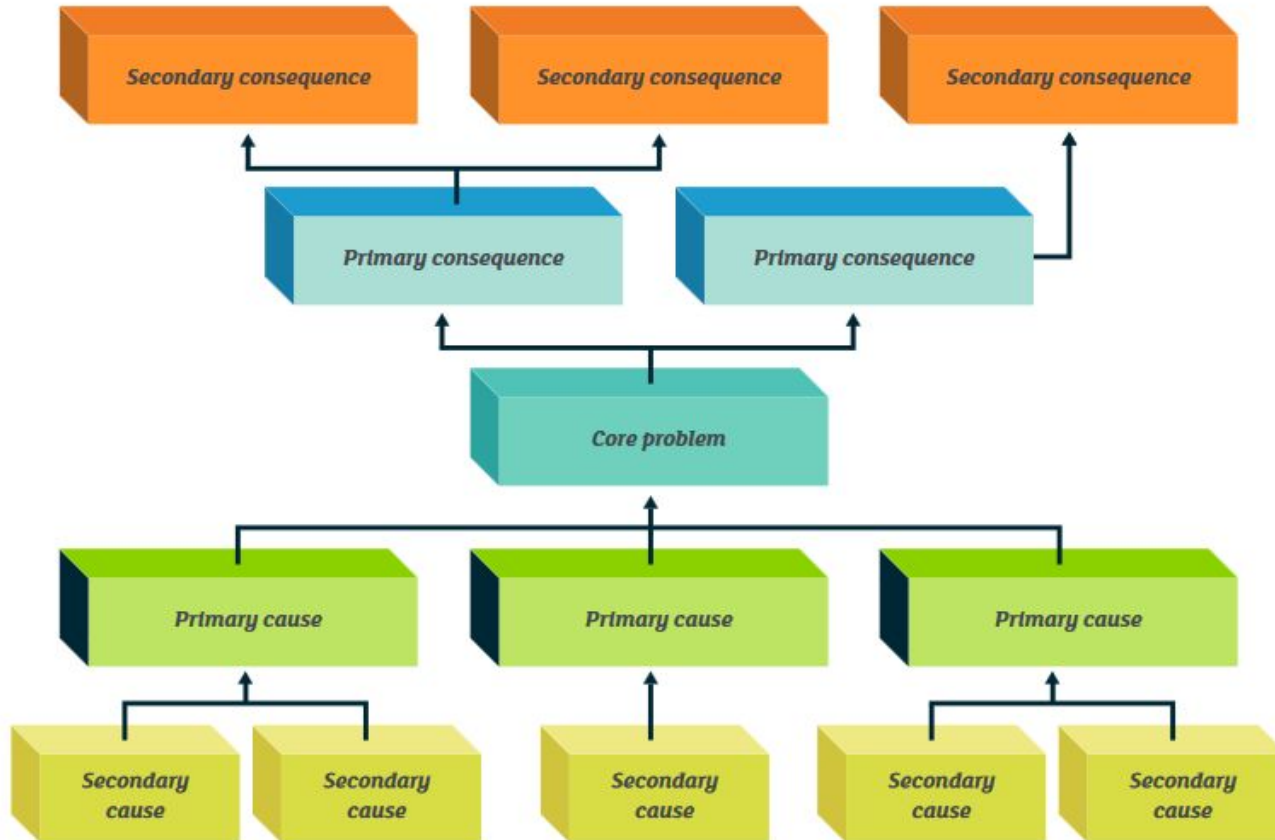
Problem tree

វិធីសាស្ត្រ ការគូសផែនទី ចេញពីស្នូល ផលវិបាក

Method of mapping out core problems, along with their causes and effects, helping project planners to identify clear and manageable objectives.
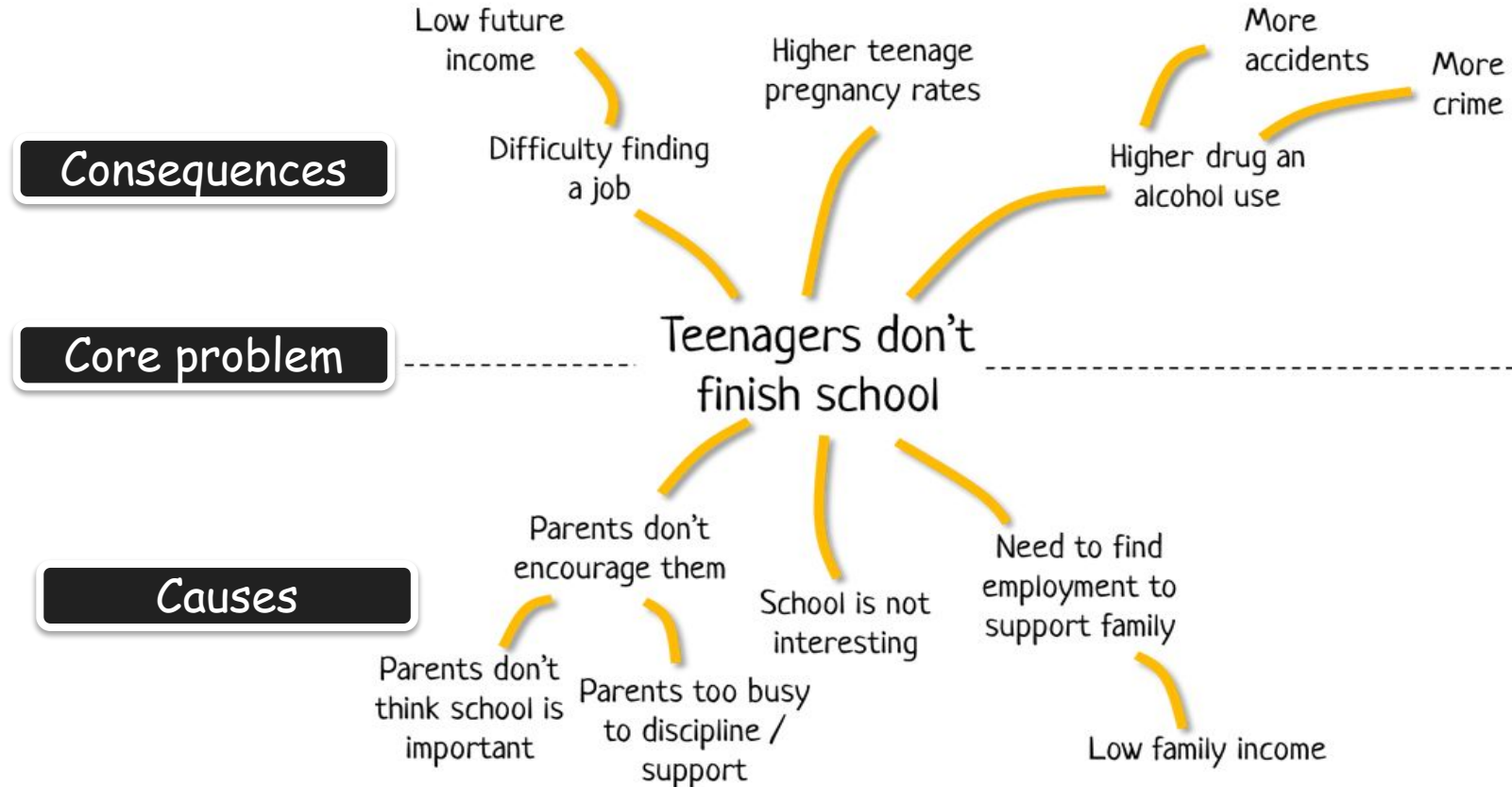
- The *trunk* is the *core problem*.
- The *roots* represent the causes of the *core problem*.
- The *branches* represent its *consequences*.

Consequences

Core problem

Causes

Problem tree template

Problem tree example

Consequences

Low future income

Difficulty finding a job

Higher teenage pregnancy rates

More accidents

More crime

Higher drug an alcohol use

Core problem

Teenagers don't finish school

Causes

Parents don't encourage them

Parents don't think school is important

Parents too busy to discipline / support

School is not interesting

Need to find employment to support family

Low family income

Instruction (50 minutes)

- Students work in groups of 5.
- Students think of a problem and create a problem tree.
- Students need to make sure they follow the guideline of the **problem tree**.
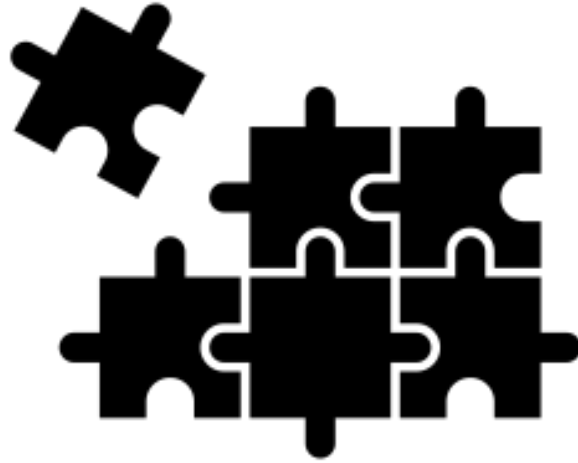- Each group presents their problem tree to the class.

Usefulness of the problem tree...

Usefulness of the problem tree

Provide in-depth information on the problem

Usefulness of the Problem tree

Help closely examine the problem by dissecting it into manageable pieces

Usefulness of the Problem tree

Help in developing a multi-pronged strategy to deal with the different aspects of the problem

Usefulness of the Problem tree

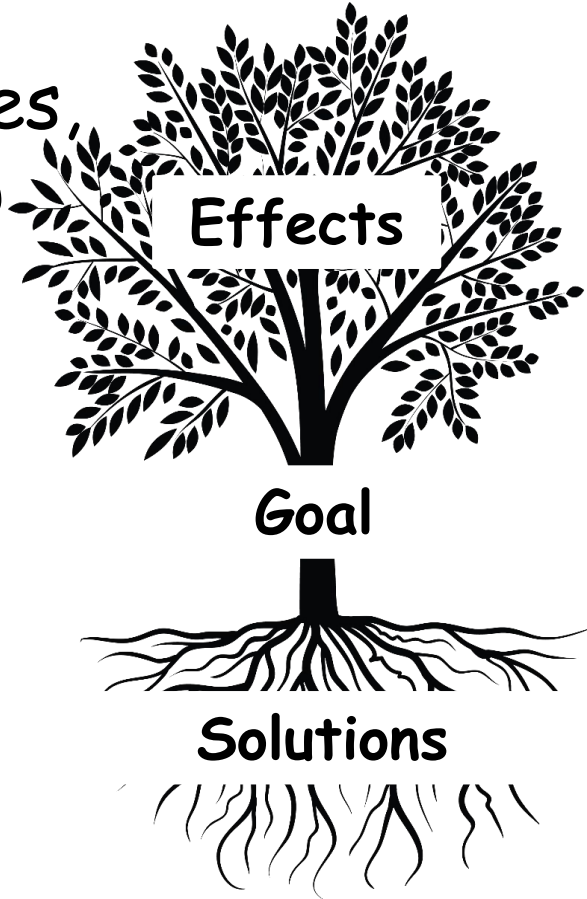*Ensure that every aspect of the problem is taken into consideration*

Solution tree
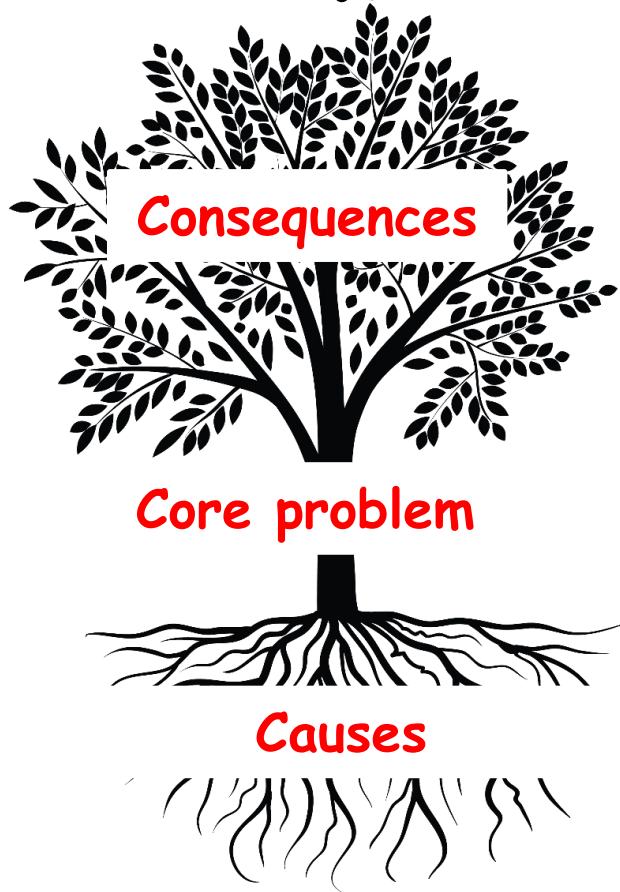
Produce a solution tree…

Solution tree

A **solution tree** outlines the initiatives, actions and projects which develop as logical solutions from the initial problem tree.
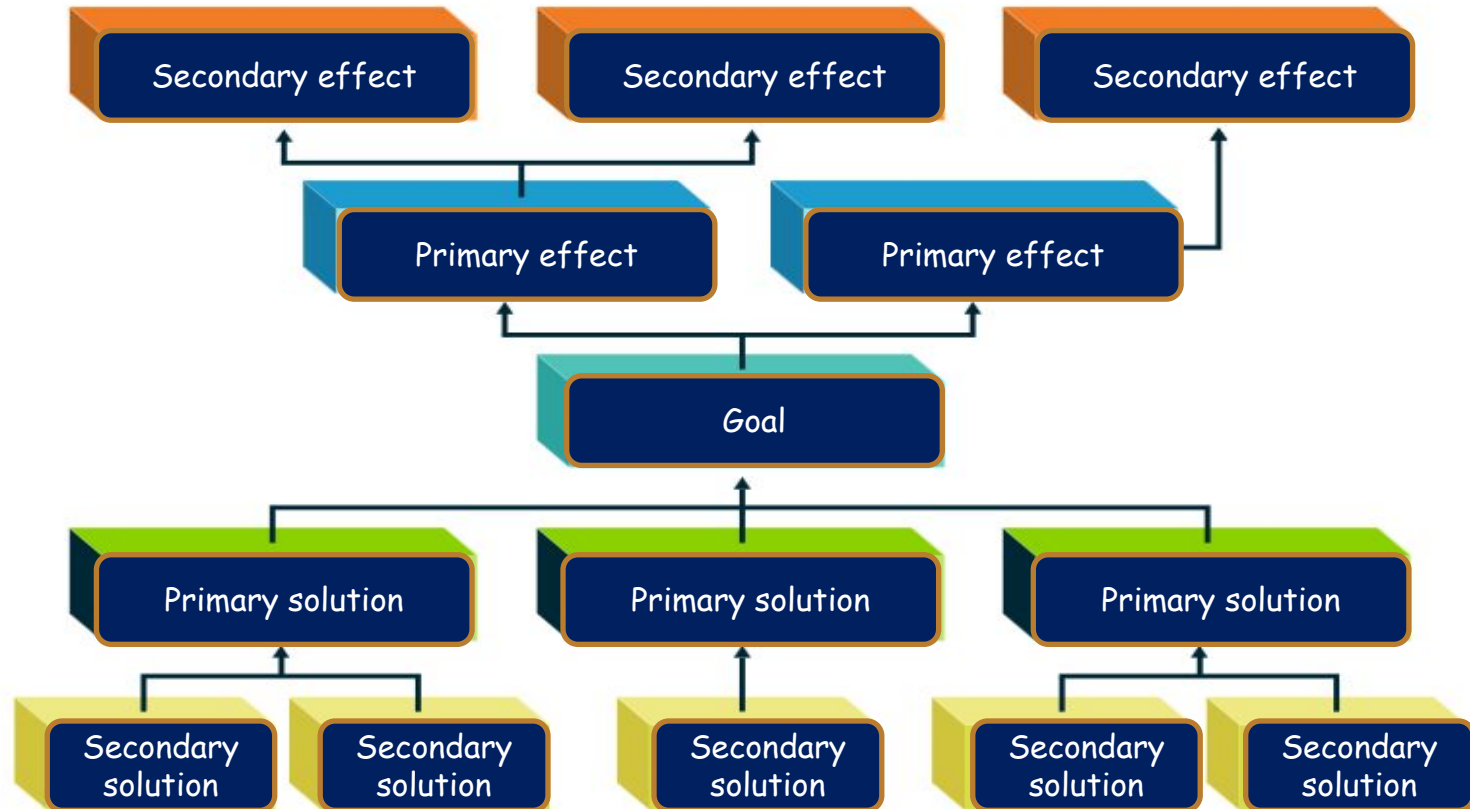
Problem tree		Solution tree
Core problem	➡	Goal
Causes	➡	Solutions
Consequences	➡	Effects

Effects

Goal

Solutions

Problem tree & Solution tree

Solution tree template

Key stages of the problem/solution tree analysis

Stage 1: Define the core problem

Stage 2: Identify the causes of the problem

Stage 3: Identify the consequences of the problem

Stage 4: Develop a solution tree

Stage 5: Use the solution tree to identify opportunities and support project design

Problem tree & Solution tree

mple

Consequences

Low future income

Higher teenage pregnancy rates

More accidents

More crime

Difficulty finding a job

Higher drug an alcohol use

Teenagers don't finish school

Core problem

Causes

Parents don't encourage them

School is not interesting

Need to find employment to support family

Parents don't think school is important

Parents too busy to discipline / support

Low family income

Effects

Increased future income

Lower teenage pregnancy rates

Less accidents

Less crime

Easier to find a job

Lower drug an alcohol use

Teenagers finish school

Goal

Solutions

Parents encourage them

School is more interesting

Less need to find employment to support family

Parents think school is important

Parents have more time to discipline / support

Increased family income

Instruction (50 minutes)

- Students work in groups of 5.
- Students think of a problem and create a solution tree.
- Students need to make sure they follow the guideline of the **solution tree**.
- Each group presents their solution tree to the class.

SWOT Analysis

S STRENGHTS
W WEAKNESSES
O OPPORTUNITIES
T THREATS

A SWOT

can help you better understand how to play to your strengths and manage your weaknesses, as well as uncover opportunities for growth and eliminate threats that could keep you from moving forward.

To perform a personal SWOT, divide a paper into four quadrants

Strengths	Weaknesses
Opportunities	**Threats**

Strengths

Characteristics that give it an advantage over others

Questions to discover your *strengths*

How do your education, skills, talents, certifications, and connections set you apart from your peers?

What would your boss or co-workers say are your strengths?

What values or ethics do you have that your peers often lack?

What achievements are you most proud of?

Examples of personal *strengths*

Enthusiasm

Trustworthiness

Creativity

Discipline

Knowledge & skills   Patience

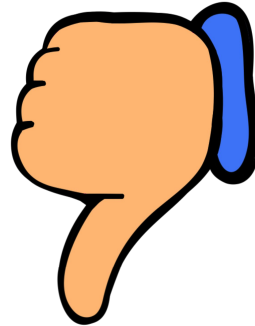Respectfulness

Determination

Dedication

Honesty

Weaknesses

Characteristics that place a person, a business, or project at a disadvantage relative to others

Questions to discover your *weaknesses*

Where are your education, training, or skills lacking?

What would your boss or co-workers say are your weaknesses?

What are your negative work habits and personality traits?

What do you avoid because you lack confidence?

Examples of personal *weaknesses*
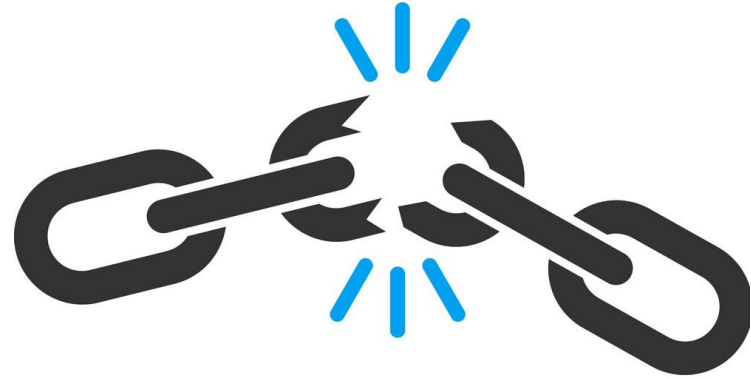
Easily distracted

Not a fast learner

Easily get nervous

Not always confident

Take time to understand new concepts

Shy and not comfortable when talk to people

Opportunities

Elements that a person, business, or project could exploit to its advantage

Questions to discover your *opportunities*

What trends are affecting your industry?

In what areas is your industry growing?

How could new technology help you advance?

How could your connections help you?

Threats

Elements in the environment that could cause trouble for the business or project

Examples of personal *opportunities*

A specific job opening

Use of a new technology

An upcoming company project

Receive coaching in service of improving skills

Enhance ability to manage the need to complete task quickly

Questions to discover your *threats*

What obstacles do you currently face in your career?

Who is your competitor?

Will new technology or certification demands slow your progress?

How is your job or industry changing in ways that could affect your advancement?

Examples of personal *threats*

Changing market requirements and their impact on you

Changing professional standards that you don't meet

Reducing demand for one of your skills

Evolving technologies you're unprepared for

A company decision maker does not like or support you

Instruction (50 minutes)

- Handout – SWOT topics
- Students work in groups of 5.
- Each group receives one topic from trainer.
- Each group does the SWOT Analysis on the given topic.
- Each group presents their SWOT Analysis to the class.

Discussion

Work in pair and take turn to answer the following questions...

❖ What have you learned from this lesson?
❖ Which points would you like more detail or don't you understand clearly?

Thank you !

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