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Classroom Activities

Students Guide

Problem Solving - 2

Fun and easy way to approach a
problem and solve it





Overview:

In this lesson students will learn how to generate solutions by leveraging group wisdom and creativity

Activity Duration:

1 hour

Objective

Students will

- Understand the concept of group decision making
- Understand how a group decision can be conducted to make it fruitful
- Understand the concept of brain storming and mind mapping

Materials:

- Generating solutions in a group: https://www.youtube.com/watch?v=wxFV2_f0QDo
- Hand-out of generating solutions in a group – 1 per person
- Pen/ Pencil

Agenda

- Introduction to Team Work: 15 mins
- Brainstorming + activity: 20 mins
- Mind Mapping + activity: 15 mins
- Quiz: 5 mins

Student Notes



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Student Notes



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Mind Map Activity



Quiz: Teacher will share the URL of the quiz with you all. It's a time paced quiz, so attempt it as quickly as possible. There are 5 MCQ questions in the quiz.

Sunday Activity: Lost at sea

Procedure

- Play the video: https://www.youtube.com/watch?v=wxFV2_f0QDo

Uses

- This activity builds problem-solving skills as team members analyze information, negotiate and cooperate with one another. It also encourages them to listen and to think about the way they make decisions.

What will you need?

- A "lost at sea" ranking chart (table mentioned on subsequent page). There are six columns. The first simply lists each item (see below). The second is empty so that each team member can rank the items. The third is for group rankings. The fourth is for the "correct" rankings, which are revealed at the end of the exercise. And the fifth and sixth are for the team to enter the difference between their individual and correct score, and the team and correct rankings, respectively.
- The items to be ranked are:
 - mosquito net
 - can of petrol
 - water container
 - shaving mirror
 - emergency rations
 - sea chart
 - floating seat or cushion
 - rope
 - some chocolate bars
 - waterproof sheet
 - fishing rod
 - bottle of rum

Time

- Flexible, but normally between 25 and 40 minutes.



Instructions

- Take 10 minutes on your own to rank the items in order of importance. You should do this in the second column of your sheet.
- Give the team further 10 minutes to confer and decide on the group rankings. Once agreed, you should list them in the third column of your sheets.
- Ask each group to compare their individual rankings with their collective ones, and consider why any scores differ. Did anyone change their mind about their own rankings during the team discussions? How much were people influenced by the group conversation?
- Teacher will then tell you the correct ranking, which you can mention in column 4 (Actual ranking).
- After that find the difference between actual ranking and your ranking and write it in column 5: Individual score
 - $|\text{Actual Ranking} - \text{Individual ranking}|$
 - Write the sum of all values in the bottom of the table
- Find the difference between actual ranking and team ranking and write it in column 6: Team score
 - $|\text{Actual Ranking} - \text{Team ranking}|$
 - Write the sum of all values in the bottom of the table
- Compare the values of column 5 and 6. Lower value means better performance
- Evaluate if you have performed better of your team has performed better

