I SEE - I WISH

Look at the Problem Solvers below and their I SEE - I WISH statements.

1

Tenith found that a lot of plastic waste was being created when using disposable containers, plates and cups. Let us look at his **I SEE - I WISH** statements.

I SEE

I see a lot of plastic waste lying around - bottles, containers, spoons and plates thrown away.

I WISH

I wish we didn't have to use so much plastic and could avoid making so much waste.

To achieve his I WISH statement, Tenith came up with the solution to use banana leaves to make cups, plates etc in order to stop the production of plastic materials.

2

Riya saw that her friend's grandmother who was blind found it difficult to go around using normal walking stick. Let us look at her **I SEE - I WISH** statements.
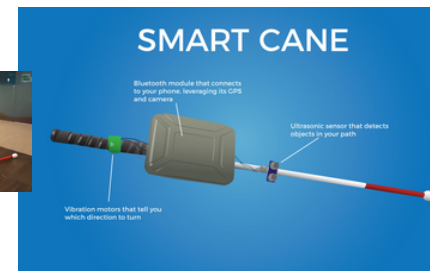

I SEE

I see blind and old people having difficulty in walking using normal walking stick

I WISH

I wish it was easier for old blind people to walk around without others help.

To achieve her I WISH statement, Riya created the Smart Cane vibrates to alert it's user of any obstacles , wet surfaces and other hazardous situations on their way .

HOW TO FIND A PROBLEM

USING INTERVIEWS

Start with an introduction
Introduce yourself and your team and why you want to conduct this interview.

Decide on your role
Take up a role in conducting the interview. Eg - asking questions, taking notes, listening to conversations.

Be prepared
Discuss and prepare a set of questions. Keep it ready to conduct the interview better.

Thank them
Remember to thank people for their time and participation in the interview.

Stay focused
Pay attention to people while they are talking to you. Ask them further questions to understand it better.

Ask questions
Here is a list of questions that you can refer to. Feel free to frame your own questions as well for the interview.

To know about the person
What is the kind of work / job that you do?
Any challenges in staying in this area or community?

To know about the problems
Why do you think such problems arise?
How does it affect everyday life of people?

To know about home/community
Is there anything that you wish your home/ community had?
What is it?
Why do you think so?

HOW TO FIND A PROBLEM

USING RESEARCH

Collect information
Newspaper articles, magazines, pictures and videos can help you know about the problems.

Take notes
Noting down the important points will help you in compiling information at the end.

Search online
Ask for help from your teacher / mentor on how to do google search.

Always keep an eye for information
Watch News, read newspaper regularly to stay aware about problems in your surrounding.

Use reliable sources
Take help from elders to identify reliable and safe websites. Not everything on internet is correct! Magazines, Journals are also reliable sources.

Decide on what to search for
Decide what you are searching for. Avoid clicking unnecessary links (pop-ups).

WHEN DOES SOMETHING BECOME A PROBLEM?
3 QUESTIONS IS ALL YOU NEED TO ASK!

1 Is it wasting or polluting any resource on the planet?

Earth has very limited resources. We, as humans have the duty to protect them for our future. Overusing of resources, polluting water, land, air or any other such resource will cause threat to our life on the planet.

2 Is it causing harm to any living being?

Living beings include not only humans, but plants and animals as well. All of them are dependent on each other for survival. It is necessary to create a safe environment for all of us to live together.

3 Is it creating difficulty or stopping any member of the community from leading a better life?

Treating a group of people differently and denying them of chances will cause difficulties in their life. Including everyone is important to create an equal, fair society so that all of us can lead a happier life.

WHEN OBSERVING SOMETHING, IF THE ANSWER TO ANY ONE OF THE ABOVE QUESTIONS IS A 'YES', THERE! YOU HAVE IDENTIFIED A PROBLEM WAITING TO BE SOLVED !

HOW TO USE YOUR EXPERIENCE TO FIND PROBLEMS

Your experience is as old as you. You have seen a lot of problems already. Don't believe? Let's have a look !

Think about your home.
You do a lot of activities at your home such as cooking, studying, playing outside. What problems did you face while being at home?

Eg: I can't sleep properly at night because there are a lot of mosquitoes.

Think about different places you go to
In your community, whenever you go to different places like schools, markets, parks, think of the problems you faced there.
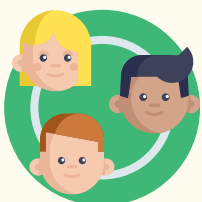
Eg: When I go to the park, there are no dustbins to throw waste.

Think of everyday activities that you do
Your day starts by getting up, going to school and many other activities. Recollecting your activities in a day can help you remember problems you face.

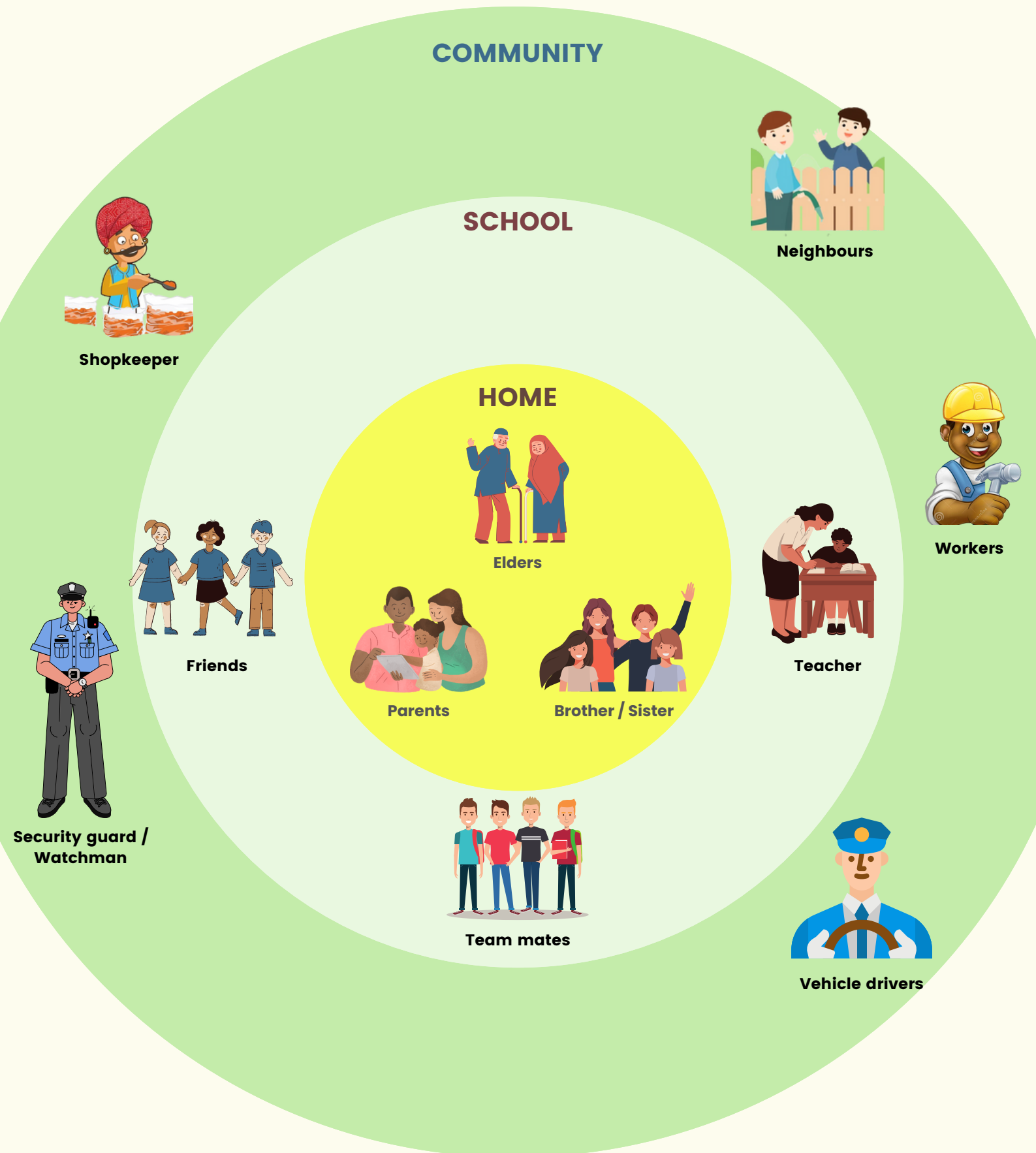*Eg: When going to school, my school bag is very heavy and I get back pain.*

Think of different people you interact with
Meeting new people will give you new experiences. Think of different interactions you had with different people. After your interactions, think if you have experienced any of the problems they mentioned in their interactions.

Eg: The boys in my class talk to me rudely and don't let me play with them because I am a girl.

WHOM TO TALK TO THE PROBLEMS THAT YOU IDENTIFIED?

After identifying some problems, discuss about it with different people. It would help you in choosing the problem.

COMMUNITY

SCHOOL

Neighbours

Shopkeeper

HOME

Workers

Elders

Friends

Parents

Brother / Sister

Teacher

Security guard / Watchman

Team mates

Vehicle drivers

And many more such people who could give you more information .....
Go around and find them......

PEAK CRITERIA

**You have seen how Aryn and team have used the PEAK criteria to rate their problems.
Let us understand the PEAK criteria better**

Preference

I wanted to solve the walking stick problem, But my team members were interested in other problems more. So as a team we gave a low preference to it.

You can see many problems around yourself. But few of them might be more interesting for you to solve.

Your preference on which problem to solve first is one of the factors to be considered while choosing.

Effect

I wanted to rate the walking stick problem higher as it affects many elder people, but Shama gave a good reason after which we lowered our rating

Some problems may have huge impact. If they are not solved on priority, it might lead to further issues.

Choosing problems based on their effect is important.

Achievability

All of us in the team wanted to solve the problem of Plastic bottles. But we felt we cannot solve it unless we find an alternative to it. We were not very confident, and so we rated it low

You might feel more confident in finding solution for certain problems. Especially the ones which you relate yourself to.

Your confidence level in finding solutions for a problem matters.

Knowledge

Plastics in the sea was a big problem and all of us in the Team had a good understanding of the problem. So, rated that highly

You should have all the information about the problem chosen. Is it possible to collect it? Are you well aware about the problem?

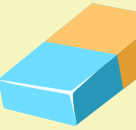Knowing about the problem well makes the process of solving it much easier.

HOW TO CONDUCT RESEARCH TO FIND A PROBLEM
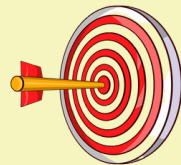
1

Collect information
Look for newspaper articles, magazines, pictures and videos that help you know about the problems.

2

Search online
Use the internet to find more information. Ask for help from your teacher / mentor on how to do google search.

3

Decide on what to search for
Know clearly what you are looking for, before starting the search. Avoid clicking on unnecessary links (pop-ups) while searching online. Always use internet under the supervision of adults.

4

Take notes
Remember to note down the important points that you come across. It will help you in compiling all the information at the end.

5

Always keep an eye for information
Watch News, read newspaper regularly to make yourself aware about the happenings in your surrounding. This will help you get to know the problems that exist.

6

Use reliable sources
Take help from the teachers or the elders to identify reliable and safe websites. Monthly magazines, kids' journals are also reliable sources for collecting information.