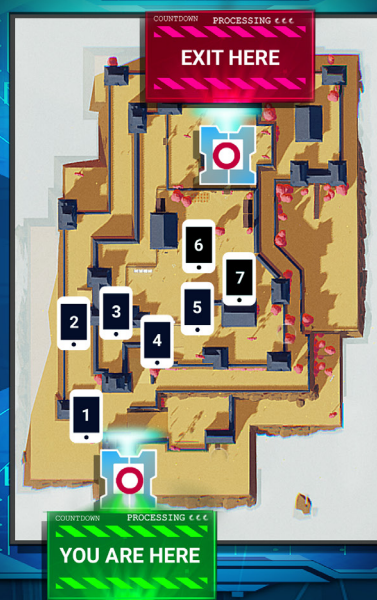


## CHALLENGE 5

Your challenge is to work your way through the Castle in the Clouds. Find the phones. Complete your mission log and report back to Soportar.



CONTINUE



## PUPIL SHEETS

1 Copy/  
Pupil (excls.  
Peer Team)



## PUPIL OVERVIEW

Your Challenge is to explore the Castle in the Clouds, find the 7 phones and unlock the collectible. This Challenge is about **Creative Problem Solving**. Venture owners and people in general solve problems every day.

Throughout the previous challenges you have seen that customer value is solving a problem or doing a job for a person, and; an innovation is a new way of solving a problem. **To create innovations we need creative problem solving.** Do you remember the 3 tricks to ideate 'wild ideas'?

- **BUILD** on the ideas of others.
- **AIM** for loads of wild ideas.
- **DEFER** evaluation.



You have already used creative problem solving in Challenge 2 on your 'wild ideas' jacket.

When we try to create new solutions we are constrained in our perception that literally stop us from 'thinking outside the box'. The trick is to ideate and come up with 'wild ideas'.

**Solar energy is radiant light and heat from the sun.** Sunlight can be captured for free to create heat and electricity. Black surfaces absorb more



## CHALLENGE 5 - CASTLE IN THE CLOUDS

light and energy. The United Nations Sustainable Development Goal 7 is about affordable and clean energy. Can you use your creative problem skills to create a solar panel to heat your classroom from recycled items from your house?

### HERE ARE THE KEY MESSAGES

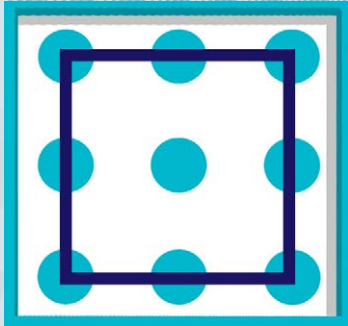
- Creative problem solving is necessary to create new value for customers and society.
- Everybody is creative.
- Our perception blind spots stop us from 'thinking outside the box'.
- Use your 'wild idea' tricks to overcome your perception blind spots:
  - **BUILD** on the ideas of others.
  - **AIM** for loads of wild ideas.
  - **DEFER** evaluation.
- Sunlight can be captured for free to create heat and electricity.
- Solar energy can fulfill United Nations Sustainable Development Goal 7 to provide affordable and clean energy.
- It can be frustrating to think outside the box. Don't forget to use T-CUP.



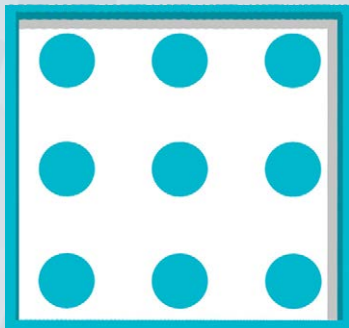
## CHALLENGE 5 - CASTLE IN THE CLOUDS

### CLASSROOM INDIVIDUAL ACTIVITY 1

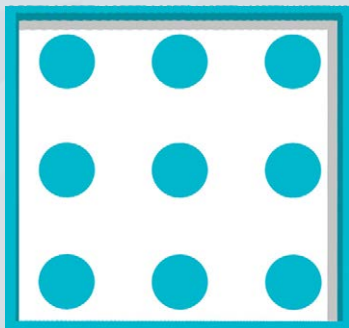
#### THINKING OUTSIDE THE BOX



Work on your own. The goal of this challenge is to join the nine dots with **four straight lines** without lifting your pen/ pencil off the page. The example shows the task done incorrectly.



Now try it yourself. Try to join the nine dots with **4 straight lines**.



Work in your groups. The goal of this challenge is to join the nine dots with **3 straight lines** without lifting your pen/ pencil off the page. Use the 3 tricks to create new ways to solve problems:

- **BUILD** on the ideas of others.
- **AIM** for loads of wild ideas.
- **DEFER** evaluation.



## CHALLENGE 5 - CASTLE IN THE CLOUDS

### CLASSROOM INDIVIDUAL ACTIVITY 2

#### SOLAR ENERGY CHALLENGE

Create ideas to build a solar panel to heat your class from recycled items from your house. The project has to fulfil the requirements of the UN Sustainable Development Goal 7 - Affordable and Clean Energy.



Use the 3 tricks to ideate 'wild ideas':

- **BUILD** on the ideas of others.
- **AIM** for loads of wild ideas.
- **DEFER** evaluation (don't say if the ideas are good or bad, we can evaluate the ideas in Challenge 6).

First, work on your own to come up with ideas. Do this for 3-5 minutes.

Secondly, share your ideas with your group and build on the ideas of your classmates.



# CHALLENGE 5 - CASTLE IN THE CLOUDS

## FEEDBACK SHEET

Enter the date

\_\_\_\_/\_\_\_\_/\_\_\_\_

Enter the team members' names of today's Peer Educators

TEAM MEMBERS ARE:


On your own answer yes or no to each question below. Then add up the score.

Success Criteria	Achieved? (Y/N)
Everybody in the presenting group contributed.	
Peer Educators tried to speak clearly.	
Peer Educators tried to sound enthusiastic.	
Peer Educators tried to stimulate discussion amongst the rest of the class.	
Peer Educators tried to encourage each group to feedback their thoughts / comments.	
<b>TOTAL YES:</b> <input type="text"/>	<b>TOTAL NO:</b> <input type="text"/>

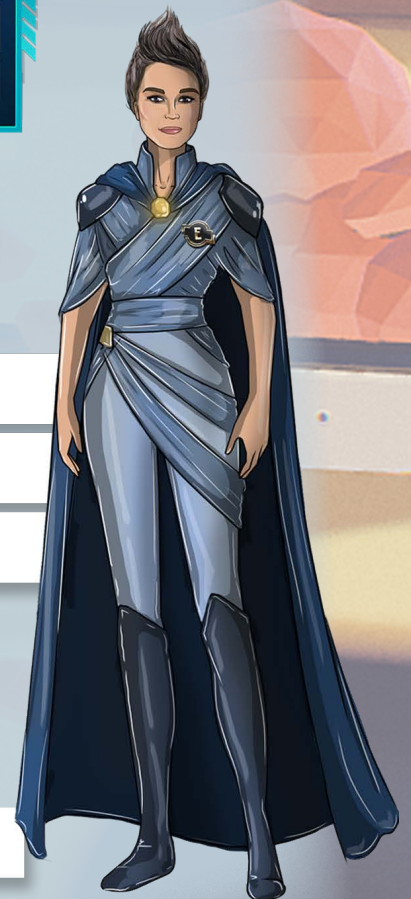


In your groups, list 3 things today's team did well.




In your groups, note one item that would make the presentation even better if.

--





# CHALLENGE 5 - CASTLE IN THE CLOUDS

## HOME ACTIVITY

### MISSION LOG

Write down below your takeaways from your challenge today:



### IT'S COOL TO BE ME

Look at yourself in the mirror and say "it's cool to be me" every day for the next five days.







# CHALLENGE 5 - CASTLE IN THE CLOUDS



## HOME ACTIVITY

### PREPARE FOR THE NEXT CHALLENGE 6 - DARK DUNGEON

Talk to your family and ask can they give you an example (in a work or home setting) of when they worked with other people to evaluate if an item was good or bad and why the item was good or bad. For example, it could be what colour to paint or tile the kitchen walls or what to cook on a cold December day.

Parent/ Guardian signature



# MAGICAL LEADERS

## CHALLENGE 5 - CASTLE IN THE CLOUDS

HANG ME  
ON YOUR  
BEDROOM  
WALL

### CREATIVE PROBLEM SOLVERS

#### NEW VALUE CREATORS

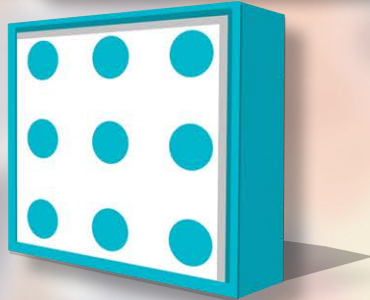
NEW WAY TO DO A JOB WITH A POSITIVE  
IMPACT ON SOCIETY

SUSTAINABLE  
DEVELOPMENT  
GOALS

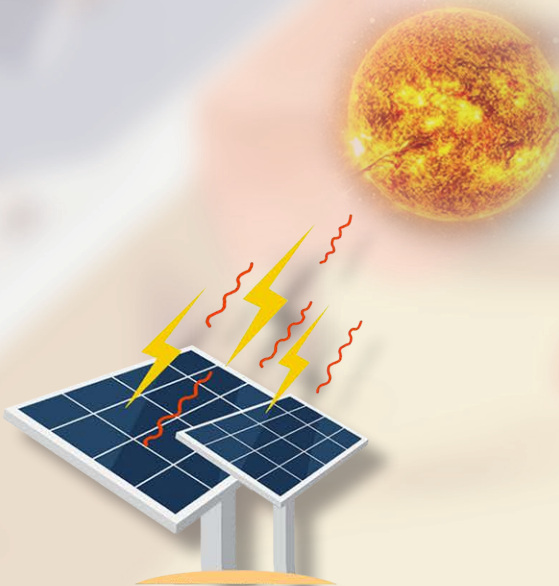
11 SUSTAINABLE CITIES  
AND COMMUNITIES



THINKING OUTSIDE THE BOX BEWARE  
OF PERCEPTION BLINDSPOTS



BE 'BAD' TO OVERCOME BLIND SPOTS



TO INNOVATE BE BAD

**B**UILD  
ON THE  
IDEAS OF  
OTHERS

**A**IM FOR  
LOADS OF  
WILD  
IDEAS

**D**EFER  
EVALUA-  
TION



ZEEKO

Enterprise  
Ireland





# CHALLENGE 5 - CASTLE IN THE CLOUDS

