



Trash Value Challenge B1

I can create something valuable out of garbage.

Entrepreneurial Culture



Increase Value with Upcycling

Students learn how to upcycle waste products. They use them to create individual objects. Then they present their objects and assess each other's presentations. A key aspect of this challenge is the analysis of the values created (material and immaterial values).

Student Manual

Youth Start Entrepreneurial Challenges Programme

based on the TRIO Model for Entrepreneurship Education – www.youthstart.eu

Core Entrepreneurial Education				Entrepreneurial Culture						Entrepreneurial Civic Education	
	Idea Challenge		Hero Challenge		Empathy Challenge		Storytelling Challenge		Buddy Challenge		My Community Challenge
	My Personal Challenge		Lemonade Stand Challenge		Perspectives Challenge		Trash Value Challenge		Open Door Challenge		Volunteer Challenge
	Real Market Challenge		Start Your Project Challenge		Extreme Challenge		Be A YES Challenge		Expert Challenge		Debate Challenge

The TRIO Model is a holistic definition of entrepreneurship that encompasses three areas:

Core Entrepreneurial Education comprises basic qualifications for entrepreneurial thinking and acting: developing and implementing original and innovative ideas in a creative and structured manner.

Entrepreneurial Culture refers to personal development: self-initiative, self-confidence, teamwork, empowering oneself and others.

Entrepreneurial Civic Education aims at enhancing social competences and empowering students in their role as citizens: assuming responsibility for oneself, others and the environment.

Each challenge belongs to a **challenge family** that has its own icon with a colour code that corresponds to one of the three TRIO areas. A challenge family comprises several challenges on different competence levels. The letter codes given in the teaching materials correspond to the following levels:

A1 – primary level; A2 – secondary level I; B1 and B2 – secondary level II; C1 – transition from secondary level II to tertiary level. Each level builds on the preceding level.



Worksheet 1: I am creative!



1. Think about which possible creations you could make from plastic bottles.
2. Write down your ideas or sketch them here!

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Youth Start Entrepreneurial Challenges



3. Now get together with a partner and compare and contrast your ideas.
 - Did you have similar ideas?
 - Which ideas did you like the most?
 - Before you begin working individually or with partners, write down what you need.

Do you have all the necessary materials and tools available? Think about where you can get the materials and tools if you don't have them.

4. Couldn't come up with an idea? Look up ideas on the internet!
SUGGESTION: Google "upcycling with plastic bottles" or "craftsmanship with plastic bottles" and click on "images". The search results will contain some useful inspiration as well as sites that will make you reflect on environmental protection.
5. Now produce your creation.
6. Take a picture of your creation.
7. Prepare a presentation and analyse the value you have created.
8. Design a whole-page advertisement, e.g. for a magazine.
9. Present your useful object and your advertising poster to the class.
10. Use the peer assessment rubric to give feedback. Make sure to speak in a nice way so that you won't hurt other people's feelings and to give feedback from which they can learn something.



Worksheet 2

Upcycling Presentation and Assess Its Value

Description: You have learned about how to upcycle empty plastic bottles or other waste material. You have developed an idea and made a new creation!

Tasks:

- Now you must make a presentation of your creation to the rest of the class. You will make a presentation and use a colourful advertisement poster (Worksheet 4) to use during your presentation.
- Think about what makes your creation valuable.

Your presentation will be assessed by your peers and you will assess their presentation as well!

Your presentation (as well as your ad and your poster) must include **all** of the following items.

1. **A title** of your creation or product

Think of a catchy title or name that you can give your upcycled creation!

2. **A description** of your creation will have three parts to it:

a. Introduction:

- What is the name of your creation?
- What is one sentence that describes what your creation is?
- How did you think of this idea?
- How did you make it?

b. Explanation:

- How does your creation function?
- How did you think of this idea?
- How can it help people?
- What should you be careful of?

c. Conclusion:





































- What makes your creation valuable?
- What value would you give your upcycled creation? Why? Justify it with examples.
- To which non-materialistic values does it refer (e.g. family, friends, feelings, love, relationships, memories, youth, patriotism, peace, victory, faith or honour)?
- What do you think is the immaterial value of your object?
- To whom do you think your creation would be considered valuable?
- Why do you think that people would need your object?



Worksheet 3

How good a presenter am I?

Pair up and rehearse your presentations. Afterwards, circle one, two or three smiley faces – depending on how well you did!

Before you got up to do your presentation, did you take a slow, deep breath to calm yourself?		 	  
Did you speak loudly enough so that everyone in the room could hear you?		 	  
Did you make eye contact with your audience? Were you smiling when you presented?		 	  
Did you speak slowly and briefly pause between sentences?		 	  
Did you use variations in your voice? Did you sometimes speak softly and sometimes loudly?		 	  
Did you ask your audience if they had any questions at the end of your presentation?		 	  



Worksheet 4

Poster Planning Graphic Organiser

Write your catchy title here!
Example: PET Bottle Christmas Lights

Intro: Write a one sentence description of your creation/product here!
Example: My PET bottle Christmas lights are unique because they are colourful, cheap, and fun to make!

How did you think of this idea?
I wanted to create some fun and interesting Christmas decorations for my classroom

What is your product made of? How did you make it?
PET Bottles, Glue, Christmas lights

Explanation

Function?

1. It lights up!
2. It is colourful!

How can it help people?

1. People can make new Christmas decorations.
2. Saves our oceans

Paste or draw a cool
picture of your creation
here!

What should you be careful of?

1. PET Bottles
2. Glue
3. Christmas Lights

How did you think of this idea?

1. Wanted to create a new type of Christmas decorations

Conclusion: How much do you think your creation/product is worth?
At least 15 Euro. It is cheap to make so I can make an easy profit.

Why do you think people need your object/product?
It is cool, colourful, cheap, stylish, and practical.



Worksheet 5

Self-Assessment: Poster and Presentation

Circle the number of smiley faces that shows how you did.

Level	Content and Organisation	Style and Language
☺	My poster has a title, an introduction describing my object/product, 1 type of explanation, and may or may not have a conclusion. My poster might need some more work.	When I present, I use basic types of words to describe my object/product. I may forget to do one of the following: make eye contact, speak clearly and loudly. I forgot to ask the audience for questions at the end.
☺☺	My poster has a title, an introduction describing my object/product, 2 types of explanations, and an unclear conclusion. My poster may help my audience understand what I am saying.	When I present, I use few different types of words to describe my object/product. I make little eye contact, speak somewhat clearly and loudly. I may or may not ask my audience questions at the end.
☺☺☺	My poster has a title, an introduction describing my object/product, and 3 types of explanations and a conclusion. My poster helps my audience understand what I am saying.	When I present, I use some different types of words to describe my object/product. I make some eye contact, speak clearly and loudly. I even ask my audience questions at the end!
☺☺☺☺	My poster has a catchy title, an introduction describing my object/product, and 4 types of explanations and a strong conclusion. My poster helps my audience understand what I am saying.	When I present, I use many different types of words to describe my object/product. I make excellent eye contact, speak very clearly and loudly. I even ask my audience questions at the end!



Worksheet 6

Peer Assessment or Jury Assessment

Circle the number of smiley faces that shows how the speaker did.























































NAME of the object:		1	2	3	4	total
Presentation	1. The presentation made me realise the practical use/aesthetic value of the object.	☹	😊	😊😊	😊😊😊	
	2. The presentation seemed very professional.	☹	😊	😊😊	😊😊😊	
	3. As a customer I would have been convinced by the presentation.	☹	😊	😊😊	😊😊😊	
	4. The presentation was conducted in a pleasant manner.	☹	😊	😊😊	😊😊😊	
Product or object	5. I like the look of the product.	☹	😊	😊😊	😊😊😊	
	6. To me, the function of the product makes perfect sense.	☹	😊	😊😊	😊😊😊	
	7. It is easy to see the “value” of this object.	☹	😊	😊😊	😊😊😊	
	8. I was so impressed with the product that I would buy it.	☹	😊	😊😊	😊😊😊	
	9. The product fulfils the criteria of upcycling.	☹	😊	😊😊	😊😊😊	



Worksheet 7

End of Unit Self-Assessment

Assess yourself! Circle the faces that best describe how you did!

1. I can plan, create, and produce something new from garbage upcycling. I can develop creative ideas which solve problems and recognise opportunities in the market and in society.		 	  
2. I can design and present an advertisement poster for my product.		 	  
3. I can present my new product and explain how I got the idea and how it works.		 	  
4. When I present I speak slowly, clearly, and loudly enough for my audience to hear me. I even asked the audience.		 	  
5. I can undertake simple tasks and focus on completing them successfully. I can also plan goals and outline decision-making processes.		 	  
6. I can work with others, agree on responsibilities and deal with possible problems.		 	  
7. I can generate added value from available resources (e.g. seemingly "worthless" things).		 	  
8. I can apply simple planning skills and show an understanding for limited resources.		 	  
9. I am aware of economic and society issues we face and have considered how I can contribute in everyday life.		 	  



➔ Worksheet 8

Self-Reflection Wrap-up

1. What did I like about this challenge?

2. What did I not like about this challenge?

3. How could upcycling make the world a better place? Why?

4. If I were to teach my friends three important things from this challenge, what would they be?
