

Supplementary Material

1. The initial 91 items

Q1. Have you ever been involved in any of the following organizations, clubs, or groups outside school? (Please tick only one box in each row)

	Yes, I have done this within the last 12 months	Yes, I have done this but more than 1 year ago	No, I have never done this
a. Environmental action group or organization			
b. Human Rights organization			
c. Voluntary group doing something to help the community			
d. Organization collecting money for an environmental purpose			
e. Group of young people campaigning for an environmental issue			
f. Animal rights or animal welfare group			

Note: Only one item (b) was removed.

Q2. At school, to what extent have you learned about the following topics? (Please tick only one box in each row)

	To a large extent	To a moderate extent	To a small extent	Not at all
a. How to contribute to the prevention of environmental problems				
b. How to contribute to the solution of environmental problems				
c. How to develop a healthy relation with nature				
d. How to contribute to the achievement of sustainability				
e. What are the environmental rights and duties of a citizen				
f. How to assess structural causes of environmental degradation and problems (roots)				
g. How to actively participate in society				
h. How to promote inter- and intra-generational justice				
i. How to act and network at the local level (community, town, area)				
j. How to act and network at the national level (country)				
k. How to act and network at the global level				

Note: Only two items (f, h) were removed.

Q3. How important are the following behaviors for being a good environmental citizen? (Please tick only one box in each row)

	Very important	Quite important	Not very important	Not important at all

a. Voting in every national election b. Joining a political party c. Following environmental issues in the newspaper, on the radio, on TV, or on the Internet d. Showing respect for government representatives e. Engaging in environmental discussions f. Making personal efforts to protect natural resources (e.g., through saving water or recycling waste) g. Respecting the rights of others to have their own opinions h. Supporting people who are worse off than you i. Engaging in activities to help people in less developed countries j. Participating in peaceful protests against laws believed to be unjust k. Taking part in activities promoting environmental rights l. Participating in activities to benefit environment	
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Note: Only three items (h, i, j) were removed.

Q4. How well do you think you would do the following activities as a student? (Please tick only one box in each row)

	Very well	Fairly well	Not very well	Not at all
a. Discuss a newspaper article about an environmental conflict b. Argue your point of view about a controversial environmental issue c. Organize a group of students in order to achieve environmental changes at school d. Follow a TV debate about a controversial environmental issue e. Write a letter or email to a newspaper giving your view on a current environmental issue f. Speak in front of your class about an environmental issue				

Note: No item was removed or added.

Q5. The following statements are related to our relationship with sustainability. There are no right or wrong answers. (Please tick only one box in each row)

	Very much agree	Agree	Disagree	Very much disagree
a. I think that using more natural resources than we need does not threaten the health and well-being of people in the future b. I think that we need stricter laws and regulations to protect the environment c. I think that it is important to take measures against problems related to climate change d. I think that everyone ought to be given the opportunity to acquire the knowledge, values, and skills necessary to live sustainably e. I think that we who are living now should make sure that people in the future enjoy the same quality of life as we do today f. I think that women and men throughout the world must be given the same				

opportunities for education and employment	
g. I think that companies have a responsibility to reduce the use of packaging and disposable articles	
h. I think it is important to reduce poverty	
i. I think that companies in rich countries should give employees in poor nations the same conditions as in rich countries	
<i>Note:</i> Only two items (a, h) were removed.	

Q6. How important do you find the following statements? (Please tick only one box in each row)

	Most important	Important	Little important	Not important
a. It is important to me to prevent environmental pollution				
b. It is important to me to protect the environment				
c. It is important to me to respect nature				
d. It is important to me to be in unity with nature				
e. It is important to me that every person has equal opportunities				
f. It is important to me to take care of those who are worse off				
g. It is important to me that every person is treated justly				
h. It is important to me that there is no war or conflict				
i. It is important to me to be helpful to others				
j. It is important to me to have fun				
k. It is important to me to enjoy life's pleasures				
l. It is important to me to do things that I enjoy				
m. It is important to me to have control over others' actions				
n. It is important to me to have authority over others				
o. It is important to me to be influential				
p. It is important to me to have many possessions				
q. It is important to me to work hard and be ambitious				

Note: Only four items (f, h, j, l) were removed.

Q7. Listed below are different activities that might be offered at your school. If you were given the chance, how likely would you be to participate in each activity as a student inside your school? (Please tick only one box in each row)

	Very likely	Quite likely	Not very likely	Not at all likely
a. Join a group of students campaigning for an environmental issue you agree with				
b. Take part in environmental discussions in a "student assembly"				
c. Participate in writing articles for a school newspaper or website regarding an environmental issue				
d. Organize a group of students in order to achieve environmental changes at school				

Note: No item was removed or added.

Q8. There are many different ways that environmental citizens may express their opinions about important issues in

society. Would you take part in any of the following activities to express your opinion in the future as a student outside school? (Please tick only one box in each row)

	I would certainly do this	I would probably do this	I would probably not do this	I would certainly not do this
a. Talk to others about your views on environmental issues b. Contact an elected representative c. Take part in a peaceful march or rally d. Collect signatures for a petition e. Contribute to an online discussion forum about environmental issues f. Organize an online group to take a stance on a controversial environmental issue g. Participate in an online campaign h. Choose to buy certain products in support of social justice (e.g., Fairtrade or ethically sourced products) i. Spray-paint protest slogans on walls j. Stage a protest by blocking traffic k. Occupy public buildings as a sign of protest				

Note: Only two items (i, j) were removed.

Q9. To what degree would you do the following in the future? (Please tick only one box in each row)

	I would certainly do this	I would probably do this	I would probably not do this	I would certainly not do this
a. I would try to change society and promote sustainability b. I would educate peers to act in an eco-friendly way c. I would actively participate in decision-making and also engage in action-taking d. I would educate adults not peers to act in an eco-friendly way				

Note: No item was removed or added.

Q10. There are many different ways for environmental citizens to express their opinions about important issues in society. Would you take part in any of the following activities to express your opinion as a future citizen? (Please tick only one box in each row)

	I would certainly do this	I would probably do this	I would probably not do this	I would certainly not do this
a. Talk to others about your views on environmental issues b. Contact an elected representative c. Take part in a peaceful march or rally d. Collect signatures for a petition e. Contribute to an online discussion forum about environmental issues f. Organize an online group to take a stance on a controversial environmental issue				

- g. Participate in an online campaign
- h. Choose to buy certain products in support of social justice (e.g., Fairtrade or ethically sourced products)
- i. Spray-paint protest slogans on walls
- j. Stage a protest by blocking traffic
- k. Occupy public buildings as a sign of protest

Note: Only two items (i, j) were removed

2. The factor loadings of items

Items	Factor Loadings
F1. Have you ever been involved in any of the following organizations, clubs, or groups outside school?	
1a. Environmental action group or organization	0.445
1c. Voluntary group doing something to help the community	0.503
1d. Organization collecting money for an environmental purpose	0.583
1e. Group of young people campaigning for an environmental issue	0.615
1f. Animal rights or animal welfare group	0.595
F2. At school, to what extent have you learned about the following topics?	
2a. How to contribute to the prevention of environmental problems	0.706
2b. How to contribute to the solution of environmental problems	0.667
2c. How to develop a healthy relation with nature	0.614
2d. How to contribute to the achievement of sustainability	0.578
2e. What are the environmental rights and duties of a citizen	0.473
2g. How to actively participate in society	0.415
2i. How to act and network at the local level (community, town, area)	0.690
2j. How to act and network at the national level (country)	0.835
2k. How to act and network at the global level	0.828
F3. How important are the following behaviors for being a good environmental citizen?	
3a. Voting in every national election	0.413
3b. Joining a political party	0.486
3c. Following environmental issues in the newspaper, on the radio, on TV, or on the Internet	0.584
3d. Showing respect for government representatives	0.618
3e. Engaging in environmental discussions	0.514
3f. Making personal efforts to protect natural resources (e.g., through saving water or recycling waste)	0.647
3g. Respecting the rights of others to have their own opinions	0.499
3k. Taking part in activities promoting environmental rights	0.561
3l. Participating in activities to benefit environment	0.557
F4. How well do you think you would do the following activities as a student?	
4a. Discuss a newspaper article about an environmental conflict	0.573
4b. Argue your point of view about a controversial environmental issue	0.530
4c. Organize a group of students in order to achieve environmental changes at school	0.620
4d. Follow a TV debate about a controversial environmental issue	0.631

4e. Write a letter or email to a newspaper giving your view on a current environmental issue	0.624
4f. Speak in front of your class about an environmental issue	0.481
F5. The following statements are related to our relationship with sustainability.	
5b. I think that we need stricter laws and regulations to protect the environment	0.392
5c. I think that it is important to take measures against problems related to climate change	0.565
5d. I think that everyone ought to be given the opportunity to acquire the knowledge, values, and skills necessary to live sustainably	0.576
5e. I think that we who are living now should make sure that people in the future enjoy the same quality of life as we do today	0.497
5f. I think that women and men throughout the world must be given the same opportunities for education and employment	0.505
5g. I think that companies have a responsibility to reduce the use of packaging and disposable articles	0.515
5i. I think that companies in rich countries should give employees in poor nations the same conditions as in rich countries	0.422
F6. How important do you find the following statements?	
6a. It is important to me to prevent environmental pollution	0.673
6b. It is important to me to protect the environment	0.748
6c. It is important to me to respect nature	0.756
6d. It is important to me to be in unity with nature	0.738
6e. It is important to me that every person has equal opportunities	0.649
6g. It is important to me that every person is treated justly	0.561
6i. It is important to me to be helpful to others	0.513
6k. It is important to me to enjoy life's pleasures	0.481
6m. It is important to me to have control over others' actions	0.601
6n. It is important to me to have authority over others	0.723
6o. It is important to me to be influential	0.610
6p. It is important to me to have many possessions	0.546
6q. It is important to me to work hard and be ambitious	0.532
F7. If you were given the chance, how likely would you be to participate in each activity as a student inside your school?	
7a. Join a group of students campaigning for an environmental issue you agree with	0.678
7b. Take part in environmental discussions in a "student assembly"	0.742
7c. Participate in writing articles for a school newspaper or website regarding an environmental issue	0.662
7d. Organize a group of students in order to achieve environmental changes at	0.740

school	
F8. Would you take part in any of the following activities to express your opinion in the future as a student outside school?	
8a. Talk to others about your views on environmental issues	0.520
8b. Contact an elected representative	0.643
8c. Take part in a peaceful march or rally	0.613
8d. Collect signatures for a petition	0.717
8e. Contribute to an online discussion forum about environmental issues	0.696
8f. Organize an online group to take a stance on a controversial environmental issue	0.701
8g. Participate in an online campaign	0.616
8h. Choose to buy certain products in support of social justice (e.g., fair trade or ethically sourced products)	0.457
8k. Occupy public buildings as a sign of protest	0.464
F9. To what degree would you do the following in the future?	
9a. I would try to change society and promote sustainability	0.707
9b. I would educate peers to act in an eco-friendly way	0.756
9c. I would actively participate in decision-making and also engage in action-taking	0.711
9d. I would educate other adults to act in an eco-friendly way	0.692
F10. Would you take part in any of the following activities to express your opinion as a future citizen?	
10a. Talk to others about your views on environmental issues	0.507
10b. Contact an elected representative	0.643
10c. Take part in a peaceful march or rally	0.656
10d. Collect signatures for a petition	0.766
10e. Contribute to an online discussion forum about environmental issues	0.751
10f. Organize an online group to take a stance on a controversial environmental issue	0.750
10g. Participate in an online campaign	0.642
10h. Choose to buy certain products in support of social justice (e.g., fair trade or ethically sourced products)	0.463
10k. Occupy public buildings as a sign of protest	0.455