

Table 1. The DICA4school activities and related SDGs. See Appendix A for a description and visit the website for additional information (<https://www.dica.polimi.it/dica4schools/>).

Title	Type	Duration	Target: school/age	SDGs
Meteorology and Climatology: Two Sides of the Same Coin	Seminar	90'	Primary/6-11 years Lower secondary/11-14 years Secondary/14-19 years	4, 11, 13, 15
Soil, a resource to be protected and an important “ally” in the fight against climate change	Seminar	30'-90'	Primary/6-11 years Lower secondary/11-14 years Secondary/14-19 years	4, 6, 11, 13, 15
The Science of Invisible Water	Seminar + game	90'-2h	Primary/6-11 years	2, 4, 6
Waste Water: From Threat to Resource	Seminar + game	2-3h	Primary/6-11 years Lower secondary/11-14 years Secondary/14-19 years	4, 6, 11, 12
A journey to discover the secrets hidden in the stones	Seminar + game + lab	2h	Primary/6-11 years	4, 11, 12
Dr. House: Diagnostics and analysis of the built environment	Lab	2-3h	Primary/6-11 years Lower secondary/11-14 years Secondary/14-19 years	4, 9, 11
Do you know what an earthquake is?	Lab	90'	Primary/6-11 years Lower secondary/ 11-14 years	4, 11
Clay, bricks, masonry, and the Ziggurat	Lab	2h	Primary/6-11 years Lower secondary/ 11-14 years	4, 9, 11

Sustainable rainwater management	Lab	2h	Primary/6-11 years Lower secondary/11-14 years Secondary/14-19 years	4, 6, 11
Flood laboratory	Lab	90'	Primary/6-11 years Lower secondary/ 11-14 years	4, 11, 13
We throw them away, but then... that's not waste, it's a mine of resources!	Lab	90'	Primary/6-11 years Lower secondary/ 11-14 years)	4, 12
Bacteria in a battery	Lab	2-3h	Primary/6-11 years Lower secondary/11-14 years Secondary/14-19 years	4, 6, 12, 15
Groundwater	Lab	90'	Primary/6-11 years Lower secondary/ 11-14 years	4, 6, 11, 13
A visual path of groundwater flow through a scaled hydraulic model	Lab	30'	Lower secondary/11-14 years Secondary/14-19 years	4, 11, 12
Underground water resource: observe the aquifer and measure its temperature	Lab	30'	Lower secondary/11-14 years Secondary/14-19 years	4, 11, 12
Let's meet metamaterials: what they are and what they can be used for	Seminar + lab	60'	Lower secondary/11-14 years Secondary/14-19 years	4, 9
Numerical simulation in movies and video games	Game	30'-90'	Secondary/14-19 years	4, 9
The Collapse of the Twin Towers: Structural Engineering vs. Conspiracy Theory	Seminar	45'	Secondary/14-19 years	4, 9, 16
Earthquakes and historic buildings	Seminar	90'-2h	Secondary/14-19 years	4, 9, 11, 13

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Geo-Engineering Challenges: The Earth in Your Hands	Seminar + game	2h	Secondary/14-19 years	4, 11, 12
Practical and interactive laboratory of structural engineering	Laboratory	8h	Secondary/14-19 years	4, 9, 12
Breathe the Future: Pollution and Climate Challenges	Seminar + laboratory	2-3h	Secondary/14-19 years	4, 11, 13
The Internet of Things: What are MEMS and How Can They Be Used?	Seminar + laboratory	100'	Secondary/14-19 years	4, 9