**This document gathers information about the subjects taking part in the project**

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| **Department:** | Sciences |
| **Subjet involved:** | Physics – Technology – Geography |
| **Participant teachers:** | Nikos Skoulidis |
| **Date of the activity:** |  |

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| **Description of the activity** |
| Modification of unused clocks   * To operate backward and with mirroring to show normal. * To connect the “time” to the participating countries’ folklore and their place in globe through a play with words (time zones – time belts) and by replacing their background with pictures from cities, |

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| **Objectives** |
| How an electromechanical device works (physics – technology)   * Gear transmission (technology) * Magnetic field and its characteristics – directionality (physics)   The sense of the time (physics)  The mirror and the light reflection (physics)   * Vertical mirror: Left side turns right * Horizontal mirror: Up side turns down * Rotation is reversed in mirrors   Use of simple tools for constructing the display (technology)  Use of tiny tools for modifying a clock (technology)  The time zones (geography) |

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| **Outcomes** |
| There were modified 5 clocks (2 table clocks and 3 wall clocks).  In three of them (1 wall and 2 table clocks) reversed their rotation and positioned in front of a mirror to show normal.  In all clocks replaced the background.  A display constructed from old and broken desks. |

Has the activity got a lesson plan? (if it does, please, attach it to this document)

☐ Yes ☑ No