

### SMART - Science Meets Art

	ACTIVITY	DESCRIPTION OF ACTIVITIES	METHODS	WHEN	LEADER/PARTICIPATING ORGANISATIONS
<b>A1</b>	Preparations	The coordinators will have a meeting via Skype to discuss the main points of the project. Exact dates for the first activities and the 1 <sup>st</sup> TPM will be decided.	Skype	Oct 2017	Greece/all countries
<b>A2</b>	Evaluation 1	At the beginning of the two-year project we will evaluate the knowledge of participants about participating countries and basic scientific topics.	Google forms	Oct 2017	Spain/all countries
<b>A3</b>	Facebook profile of the project	The Facebook profile will work like a showcase of the project. The best project works, reports of meetings and other activities will be loaded there. It will also be used for the students to start communicating before the mobilities and to get in touch during the whole project.	Facebook	Oct 2017	Czech Rep./all countries
<b>A4</b>	Website SMART-Science Meets Art	A website for the project will be created. The website will host all the partners' activities. It will be linked to our YouTube channel.	eTwinning YouTube	Oct 2017	Czech Rep./all countries
<b>A5</b>	Logo of the project	A logo design competition will be organized. Each school will design their own candidate for the competition, and the winner will be voted by all partners.	Any	Nov 2017	Spain/all countries
<b>A6</b>	Working on the project: who we are	Each school will make a short video to introduce the school: art and science lessons and pupils.	Video iMovie, Spark Video, Quik	Nov 2017	Iceland/all countries
<b>M1</b>	Transnational meeting in NETHERLANDS  dissemination 1. SMARTY	During the 1 <sup>st</sup> TPM, the main points of the project and the exact dates for the first activities will be decided. ICT teaching. Videos about the schools will be presented to provide a better inspiration to the partner schools. Local press will be invited to the meeting. Our project mascot SMARTY starts its journey through Europe in Netherlands.	Meeting Seppo, Kahoot, Thinklink	Nov 2017	Netherlands/all countries
<b>A7</b>	Picture Gallery	This is a collection of different kinds of pictures of Art and Science in participating countries. This activity will continue in every mobility: transnational teams will take photos of monuments and pieces of Art, so they will create a virtual photo gallery and a video gallery	Flickr	Nov 2017	Italy/all countries

		which will be presented during the last day of the mobility. Picture and video gallery will be a part of our website.			
<b>A8</b>	Designing posters	Creation of posters of 2018, inspired by the theme of the project. These posters will be useful to highlight project activities in our own schools, relevant cultural events and activities, and celebration of important days.	Poster	Dec 2017	Italy/all countries
<b>A9</b>	Christmas regards	Making an Artistic Christmas calendar containing every country's Christmas traditions.	ThinkLink	Dec 2017	Iceland/all countries
<b>A10</b>	Seppo-game -dissemination 2.	Creating a Seppo-game for learning outdoors. The game will be played in the city center and the map of our towns works as a game board. Game tasks will be about art, which the students will solve in teams using mobile devices. Games will be shared with the other schools of the town. The Finnish school will teach and coordinate the use of all these specific ICT tools such as the Seppo application, the Kahoot games (for example, about the countries so every school/country will get to know each other), ThinkLink (to combine pictures and videos of various moments of the project), ICT apps for the travel diaries etc.	Seppo	Jan 2018	Finland/all participants
<b>A11</b>	Getting ready for the meeting in Italy	Before the 1st LTT in Italy, we will create international teams of pupils which will present famous architects and buildings from every country.	Prezi, Slideshare	Feb 2018	Iceland/all countries
<b>C1</b> <b>M2</b>	LTT "Restoration and architecture" and Transnational meeting in ITALY -dissemination 3. SMARTY	The course will show the conjugation of the fields of Maths (Geometry) with History of Art, and Science with History of Art. There will be workshops on Architecture and Restoration with the help of specialists of Art Museums. Pupils will also make Seppo activities in Palermo. The second TPM will be held in Italy and as we will already have some products, ICT teachers will show their partners the various platforms created and the features they offer to upload in order to share the results. Main points will be also a briefing about Architecture and Restoration in Italy, and evaluation and dissemination of the activities as well. Local press will be invited to the meeting.	Meetings, workshops, presentations, ICT	Feb 2018	Italy/all countries

		SMARTY travels to Italy.			
<b>A12</b>	Travel diaries	After the course in Italy the students will create travel diaries to describe feelings and experiences.	ThinkLink	March 2018	Finland/all countries
<b>A13</b>	World Art Day	Every country will choose some national artists and will present them in different and original ways. All the results will be uploaded at the same time on the website on the 15 <sup>th</sup> of April.	Theatre, video, song, rap, Thinklink	15 <sup>th</sup> of April	Netherlands/all countries
<b>A14</b>	Getting ready for the meeting in Iceland	Transnational teams of students will look for art in Nature and will take samples (pictures, videos, sounds, compositions) related to science (mathematical or physical shapes in them). All the samples will be composed and presented in Iceland.	Prezi Slideshare	April 2018	Netherlands/all countries
<b>C2</b>	LTT in ICELAND "Nature and Art" -dissemination 4. SMARTY	The 2 <sup>nd</sup> course will have as a main idea to combine nature and natural science with art, so students will learn about green/renewable energy by using different ways to express their understanding. Participants will work also in nature via Biophilia method and make Seppo activities in Reykjavik. Local press will be invited to the meeting. SMARTY travels to Iceland.	Meetings Workshops Biophilia	May 2018	Iceland/all countries
<b>A15</b>	Travel diaries	The course in Iceland will be followed by travel diaries, this time using Padlet App.	Padlet	May 2018	Netherlands/all countries
<b>A16</b>	Evaluation 2	The Google questionnaire used at the beginning will be revisited in May to see how the participants' knowledge about the partners has been evolved. The results will be taken into account in the TPM in Spain.	Google forms	May 2018	Spain/all countries
<b>A17</b>	Summer pictures about art and science	Pupils and teachers will take pictures and videos about art and science themes they will meet during the summer.	Pictures Videos Flickr	June-Aug 2018	All countries
<b>A18</b>	Getting ready for the meeting in Spain	To prepare the course in Spain the students will make a video in international teams showing scientists or inventions related to Light (e.g. the light bulb) in an easy but dramatized way. Videos will be presented in Spain and uploaded on the ICT platforms.	iMovie, Video Spark Video, Quik	Sep 2018	Spain/all countries
<b>C3</b> <b>M3</b>	LTT and Transnational	The 3 <sup>rd</sup> course will focus on Light to show the various effects that light and color can create on photos, images and paintings. Drawing	Meetings, workshops,	Oct 2018	Spain/all countries

	meeting in SPAIN "Light, Lines and Life" -dissemination 5. SMARTY	workshops and a photo itinerary will be held to analyze how geometry and lines have left their footprint on the unique style of "Mudejar". Also a workshop that combines theatre with light and shadows, as a means to express feelings, will be held. The 3 <sup>rd</sup> TPM in Spain will have the goal of following-up and evaluating the first year of the project. We will write the middle evaluation report for our National Agencies and we will also distribute tasks and responsibilities for the second year. The TPM will be held at the Didactical Science Museum so the teachers will be able to follow a course about the pedagogy of science and the possibilities it offers. Local press will be invited to the meeting. SMARTY travels to Spain.	photos, posters, videos		
<b>A19</b>	Travel diaries	The course will be followed by a QR Travel Diary in which every group will show on a map of Zaragoza and with QR codes the activities they have done.	QR codes	Oct 2018	Finland/all countries
<b>A20</b>	World Science Day for Peace and Development -dissemination 6.	The World Science Day is on 10th November and will be celebrated at the schools as the SMART DAY. Science and Art teachers will prepare workshops about science subjects in a creative way (e.g. cooking and science, analyzing the ingredients; clay work, woodshop and music). All the results will be documented by the Erasmus students, uploaded and shared with the Local Press.	Pictures Videos research	Nov 2018	Finland/all countries
<b>A21</b>	Calendar of 2019	We will select some of the students' art works and pictures of the mobilities in order to create the calendar of 2019. In it the most important dates of the project (deadlines, mobilities, international days) will be highlighted.	Pictures Art works Printed calendar	Dec 2018	Greece/all countries
<b>A22</b>	Get ready for the meeting in Czech Republic	To prepare the course in Czech Republic the pupils will work in teams to create simple machines or gadgets with recycled materials and will explain this process as a fairy tale.	Video, Recycled material	Jan 2019	Italy/all countries
<b>C4 M4</b>	LTT and Transnational meeting in CZECH REPUBLIC "Tech meets art"	The 4 <sup>th</sup> course will include i) technical workshops inspired by chemistry, physics and maths, and ii) creation of art pieces inspired by technical subjects, using ITC and different art methods. We will attend a professional performance of the Theatre of Physics, and will visit technical parks and technical monuments which are part of the	Meetings, workshops, theatrical plays, photos, posters, videos	Feb 2019	Czech Rep./ all countries

	-dissemination 7. SMARTY	European cultural heritage. The 4 <sup>th</sup> TPM in Czech Republic will have as main points evaluation, impact and dissemination. Partners will discuss the sustainability and dissemination and the impact of the project during the first period and the results of the middle evaluation report. Teachers will also attend a conference at the Technical Museum about the implementation of technology in schools. Local press will be invited to the meeting. SMARTY travels to Czech Republic.			
<b>A23</b>	Travel diaries	Czech course will also have travel diaries on iMovie, Spark Video or other apps depending on the devices we will have.	iMovie, Spark Video	Feb 2019	Iceland/all countries
<b>A24</b>	Get ready for the meeting in Greece	As a preparatory activity for the course in Greece the Greek coordinator will propose a theatrical play about science and will give two characters per country. Every partner will start rehearsing and the making off will be recorded. Later, in Greece, all the pieces will be set together as a whole play.	Play	March 2019	Greece/all countries
<b>C5</b>	Course in GREECE "How logic was transformed into theater" -dissemination 8. SMARTY	The 5 <sup>th</sup> course will study Theatre as a way of expression of human thinking, so theatrical workshops will take place at the archaeological site of Ancient Olympia. Also workshops will be held at the Theatre of Epidaurus to discover how Physics and Geometry contributed to its acoustics and its amphitheatric scheme. Filming activities involving ICT techniques will be also held. Local press will be invited to the meeting. SMARTY travels to Greece.	Meetings, workshops, photos, posters, videos	April 2019	Greece/all countries
<b>A25</b>	Travel diaries	After the course travel diaries will be made as a Puppet Animation Story with the app Puppet Pals.	Puppet Pals, Videos	April 2019	Finland/all countries
<b>A26</b>	Nature studies for the World Environment Day	The partners will work on statistics about weather and the different temperatures along the years to see the impact of Global Warming in the project countries. They will also develop a "picture a day or time-lapse" with sunrise and sunset, flowers or trees blossoming, clouds and rainbow, in order to connect Meteorology, Nature and Art. All the results will be shared on June 5th to celebrate the World Environment Day.	Statistics Indicators Photos Videos	May 2019	Czech Republic/all countries

<b>A27</b>	Evaluation 3	The Google questionnaire used at the beginning will be revisited in May to see how the participants' knowledge about the partners has been evolved. The results will be taken into account in the Finnish TPM.	Google forms	May 2019	Greece/all countries
<b>A28</b>	Summer pictures about art and science	Pupils and teachers will take pictures and videos of art and science themes they will meet during the summer.	Pictures Videos Flickr	June-Aug 2019	All countries
<b>A29</b>	Get ready for the meeting in Finland	To prepare the TPM in Finland teachers (and the pupils) will work in teams to create pieces of art by collecting natural elements and recycling cardboard, plastic or metal.		Sep 2019	Netherlands/all countries
<b>M5</b>	Transnational meeting in FINLAND -dissemination 9. SMARTY	The meeting will deal with Recycling and Environment. The coordinators will have the last Transnational Meeting to discuss the main points of the project in order to prepare the mobility tools and the Final Report. Another objective will be the evaluation of the whole project and sustainability plans. Future plans for further cooperation will also be discussed. Local press will be invited to the meeting. SMARTY travels to Finland.	meeting	Sep 2019	Finland/all countries
<b>A30</b>	SMART-website	After the official project period is over we will still keep uploading useful science and art material on our website.	eTwinning	2019-2021	All countries