

# eTwinning Celebration Maths



## What is eTwinning?

eTwinning is an online platform that supports teachers and educators to work on collaborative projects together in any curricular area.

## Why take part in eTwinning?

- We have a dedicated website where teachers can create a profile, search for partners, develop and deliver their own eTwinning projects.
- Teachers also have access to 'TwinSpace'. This is a private and secure online workspace where you and your partner(s) administer the project and where pupils can be invited to contribute to the TwinSpace as members.
- eTwinning facilitates online and face-to-face learning opportunities for teachers to enhance their skills, competencies and pedagogical approaches.
- The collaborative nature of eTwinning enhances pupils' confidence and communication skills.
- eTwinning gives pupils an international perspective to their learning and education.

## What is the 'Celebration Maths' eTwinning project?

This eTwinning project aims to celebrate Maths, using a project-based learning approach and by connecting schools from different countries, enabling pupils to engage in both independent and collaborative activities. Pupils will engage in activities in celebration of Maths Week\* at either a class or whole school level. The Celebration Maths project will encourage 'Maths Talk' across partner schools and the application of problem-solving skills. Pupils will also create tangible outputs such as interactive games, maths trails and maths eBooks, which can benefit their whole school community.

**\*Maths Week takes place in October.**



## Key Information:

**Difficulty level:** • Beginner – Advanced eTwinner

**Key Competencies:**

- Digital Skills
- Language Skills
- Creative skills
- Communication Skills
- Collaboration skills

**Subjects:**

- Maths
- English
- Art

**Level** • Primary (2nd Class to 6th Class)

**Suggested Time Frame** • 1 month – 1 school year

### How to register:

- Set up a profile first on ESEP [here](#):
- Select your role as 'teacher'.
- Once you confirm your profile by email, you should get a prompt to join eTwinning.
- In the organisations search bar, enter the name of your school.
- Your profile will then be validated on the platform.

## How can my school take part in this project?

Follow these steps to start connecting and collaborating with schools in other countries:

**Step 1: Connect** - Find partner schools through the **Partner Search** function on the eTwinning platform.

**Step 2: Create** – Partner schools choose their areas of interest and complete the tasks based on that area. Then create content to show what you have learned.

**Step 3: Collaborate** - Collaborate with your partner school/s to share what you have learned.

### Step 1: Connect

- Find your partner school/s through the [Partner Search](#) function on the eTwinning platform here.
- Use the **Online Meetings** function of the **TwinSpace** to introduce your school in our virtual space.
- Agree and share a work plan and time schedule with your partner/s and develop topic ideas. Publish the work plan in your TwinSpace and modify as necessary.
- Check out some task suggestions below for introducing your school and connecting with your partner school/s.

*Note: Language - it is recommended to consider the languages of all partners and to try teach and learn some basic phrases, sayings, or words in the partner's language or dialect. Pupils can use a vocabulary journal, or project scrapbook.*

## CONNECT Project Task Suggestions

INTRODUCTIONS		
TASK	ACTIVITY	TOOL USED
<b>Task 1</b>	Pupils create avatars to introduce themselves	Voki or Chatterkid app
	Share on Padlet and embed into TwinSpace	Padlet – a row for each country
	<b>Advanced eTwinner Option: Intro school</b> Alternatively pupils could create a ‘podcast’ in Canva to showcase their school. Give 5 clues to their location/school building, weather, etc	Record directly into Canva (It’s useful to apply for free educator account)
	Use Canva to put together 5 images linking to the clues	
	Upload both separately to TwinSpace	
<b>Task 2</b>	Each class creates a jigsaw puzzle of their class photo to be shared on TwinSpace	Jigsaw Planet
<b>Task 3</b>	Teachers create Kahoot quiz about partner schools based on 5-10 common questions arranged beforehand with the partners. Location, currency, language, food, capital city etc	Padlet – Teachers can arrange questions and answers in Padlet prior to creating the quiz  Kahoot - interactive
	Teachers create a quiz on Plickers and pupils can play without devices.	Plickers if 1 to 1 devices are not available (sign up for free account on plickers.com)
INTRODUCING THE TOPIC		
<b>Task 4</b> <b>Pre-project surveys could be completed with teachers also.</b>	Pre-project Question: ‘How do you feel about maths?’	Create a Mentimeter with the question and select word cloud option
	Create a word cloud of pupils feelings	
	Pupils login using their unique login code on the TwinSpace	TwinSpace
	Share word clouds on TwinSpace	
	Pre-project survey for teachers	Mentimeter
	You may choose to survey parents also	
<b>Task 5</b>	Pupils create a logo for their project and vote across partner schools	Vote using voting tool in TwinSpace
	Discuss the aims of the project, as well as symbols or links to maths which pupils would like to use for the project	

## Step 2: Create

- Partner schools choose particular tasks per week to complete over a month-long period. Then create content to show what has been learned.
- Pupils work together to present their results and ideas to their partner schools using Book Creator, Emaze and Padlet. All will be embedded onto TwinSpace.
- Check out some task suggestions below in the **CREATE and COLLABORATE Project Task Suggestions section**.

## Step 3: Collaborate

- Pupils share what they have learned to date.
- Partner schools create a comic book together.
- Partner schools then create a book together with ideas from all partner schools, sharing with other schools within their local community to inspire. (Max. of four partner schools collaborating, to ensure real collaborative connections)
- Check out some task suggestions below in the **CREATE and COLLABORATE Project Task Suggestions section**.

*Note: Tasks can be chosen as required and adapted to suit the needs of the pupils. Project length can be decided by the partner schools. It may be useful to do one task per week or reduce the number of tasks to allow the pupils more time to complete them. Partners could choose 1-4 tasks over a month-long period to allow for better quality of output.*



## CREATE and COLLABORATE Project Task Suggestions

TOPIC TASKS		
TASK	ACTIVITY	TOOL USED
<b>Task 1</b> <b>Focus Area:</b> <b>Estimation</b>	<p>Start with 5 estimation tasks from a website as a warm-up</p> <p>Then each partner creates 1-5 estimation style tasks then to share in TwinSpace</p> <p>Alternatively, partner schools may each opt to create a book of Estimation tasks</p> <p>Create an 'Estimation' eBook of the images</p> <p><b>Bonus Christmas task:</b> Estimate items in a jar in each partner school (e.g. colours, erasers, papers). Winning guesses go into a draw to win the jar of stationery.</p>	<p>Estimation180</p> <p>Use real life images sourced from photos-forclass.com or take your own</p> <p>Discuss copyright with the pupils (this may need to be a lesson)</p> <p>Put images into Book Creator to create shared book of estimation style tasks. Reveal true answers at the end</p>
<b>Task 2</b> <b>Focus Area:</b> <b>Maths Trails</b>	<p>Create a QR maths trail based on each partner's own school information</p>	<p>Classtools.net</p>
<b>Advanced eTwinner Option</b>	<p>Create an interactive maths trail suitable for interactive white boards using Google Slides/PowerPoint</p> <p>Place images of maths topics or school objects onto one slide</p> <p>Create hyperlinks to different maths puzzles from the internet</p> <p>Save as a PDF and share on TwinSpace with the partners</p> <p>Depending on the age of pupils and their tech skills, they could create an interactive PDF themselves to share</p> <p>Create a collaborative Canva book of the PDFs and their links</p>	<p>Google Slides/PowerPoint</p> <p>Canva/Book Creator</p>

<b>Task 3</b> <b>Focus Area:</b> <b>Maths Games</b> <b>(interactive)</b>	Pupils are put into groups based on different maths topics, depending on the age and needs of partner schools  They design a game to be shared with partner schools  Share on Padlet	Wordwall to create games (the free version allows creation of five games)  Padlet for links (Padlet can be embedded in TwinSpace.) Divide by topic.
<b>Task 4</b> <b>Focus Area:</b> <b>Computational</b> <b>Thinking Tasks</b>	Use computational thinking puzzles to guide children with problem-solving  Pick 1-3 puzzles that children in each partner school will complete depending on the age group  Create a video of the children explaining their problem-solving reasoning  Share in Padlet	<a href="#">Resources</a>  Any video app (e.g. iMovie)  Flip app (free); 123apps.org to help with editing  Padlet

### CHOOSING A FOCUS GOAL TO FINISH:

<b>Task 5</b>	Choose a main goal as focus, for example: <ul style="list-style-type: none"> <li>• Goal 14: Life Below Water</li> <li>• Goal 15: Life on Land</li> </ul> Ask children to survey how many bags of rubbish they dispose of over a period of time at home e.g. 1 day/1 week (This could be a whole school homework activity to link in with parents)	Show an image of the goals on the screen, or print out for the children  Create a graph tool from <a href="#">NCES</a>
	Share the results from all partner schools in a graph	Share the results using TwinSpace

### POST PROJECT SURVEY

<b>Task 6</b>	Use Mentimeter to explore with pupils their attitude to maths post project completion	Mentimeter survey
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## Learning Outcomes

### Pupils will be enabled to:

- Engage in an online cultural exchange with pupils from different countries, to foster understanding and enjoyment of maths
- Develop mathematical, artistic and digital skills
- Engage in practical and play-based Mathematical activities
- Engage in problem-solving activities
- Engage in collaborative learning by working together on projects and activities which promote shared responsibility and teamwork, fostering a sense of community and connectedness between partners
- Develop their digital literacy skills by utilising various online platforms and digital tools for communication, research and collaboration, in the context of an eTwinning project
- Enhance their communication skills, including written and verbal communication, through the exchange of ideas, sharing of information and presentation of their projects

## Curricular Links

### Primary School: 2nd to 6th Class

SUBJECT	STRAND
<b>Maths</b>	<ul style="list-style-type: none"> <li>• Algebra</li> <li>• Data and Chance</li> <li>• Measures</li> <li>• Number</li> <li>• Shape and Space</li> </ul> <p><b>Processes</b> The elements of:</p> <ul style="list-style-type: none"> <li>• Understanding and Connecting</li> <li>• Communicating</li> <li>• Reasoning</li> <li>• Applying and problem solving</li> </ul> <p><i>(Primary Maths Curriculum, 2023)</i></p>
<b>English</b>	<ul style="list-style-type: none"> <li>• Receptiveness to language</li> <li>• Competence and confidence in using language</li> <li>• Developing cognitive abilities through language</li> <li>• Emotional and imaginative development through language</li> </ul>
<b>Art</b>	<ul style="list-style-type: none"> <li>• Drawing</li> </ul>
<b>Cross-curricular opportunities</b>	<ul style="list-style-type: none"> <li>• Digital Skills</li> </ul>



## Evaluation and Assessment

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- Evaluations can be carried out throughout the project after each activity by gathering pupils' reflections in a project journal or through learning logs.
- A survey based on pupils' attitudes to maths can be given at both the beginning and end of the project to assess how their attitudes may have shifted.
- Pupils can be assessed in groups/individually based on their final presentations to classmates, other classes, or parents.
- Evaluations can be carried out on pupils' participation in online discussions, forums and collaborative platforms. Consider the quality of contributions, engagement with peers and the ability to communicate ideas effectively.
- Evaluations can be carried out on pupils' digital literacy skills by assessing their ability to navigate and use online platforms, collaborate effectively using digital tools and to present information in a visually appealing and coherent manner.
- Peer and self-assessment tools for the project could include reflection sheets, learning logs, online polls and discussions in eTwinning forums.
- Online quizzes and assignments can be used to assess pupils' understanding.

## Dissemination/follow-up

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- A **school website or dedicated blog** can be used to showcase the project's objectives, activities and outcomes. It can be regularly updated with articles, photos and reflections from participating schools.
- **Presentations** can be created for other classes to show the pupils' games/puzzles etc.
- **Pre-project surveys** about maths can include parents.
- **Parent workshops** can be hosted based on computational thinking, or local area maths trails.
- **Book Creator Library** can be shared with local schools for inspiration.
- **Display for Local Library** can be created to demonstrate the pupils' learning.
- **Social media platforms** can be used to share project updates, achievements and key learnings.
- **Reflection sessions** can be conducted with participants, to discuss the long-term impact of the project on their schools.



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