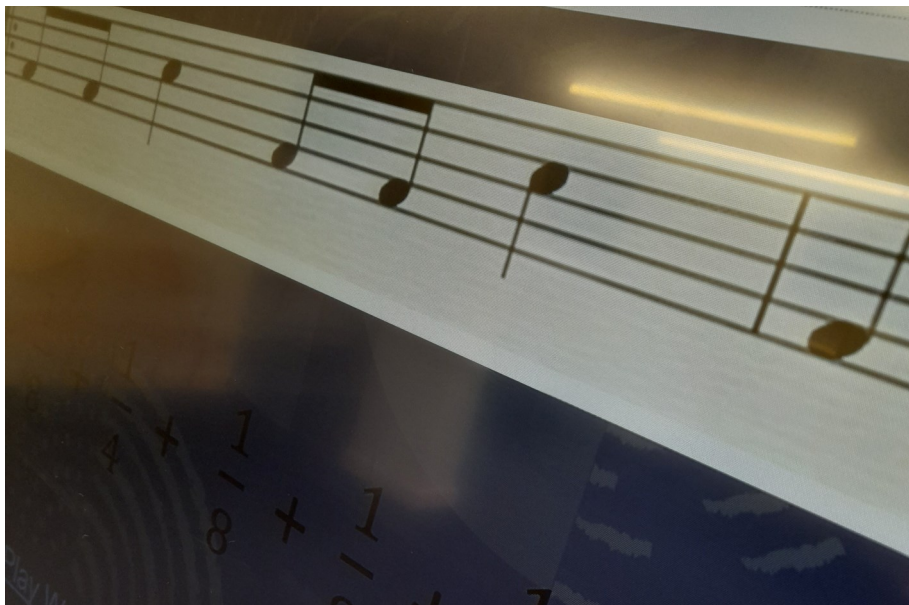


Britten Pears Arts

The Red House

Teacher's Pack

Musical Maths



Key Stage 1 & 2

ALL YOU NEED TO KNOW FOR YOUR VISIT TO THE RED HOUSE,

www.brittenpearsarts.org/take-part/schools/onsite-school-sessions

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Musical Maths

Suitable for KS1 & 2

Approx. 30 children (contact for questions on numbers)

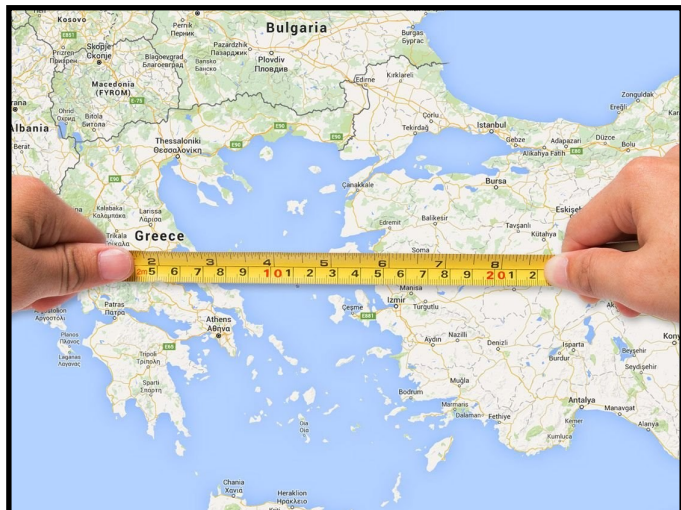
Overview

The worlds of music and maths are miles apart, aren't they? The simple answer is no- music and maths are inextricably linked. Mathematicians from Pythagoras to Einstein have been fascinated by music and Einstein once said that had he not been a scientist he would have been a musician!

From composers using fractions to divide musical notes, to counting beats, using measurements and repeating patterns; the links between music and maths are endless.

This exciting and practical session explores music and mathematics in a fun and engaging way. Exploring the home of Benjamin Britten, children will take part in a variety of mathematical activities, even using geometry to compose their own song!

This all day school session is only £2.50



- All schools booked on a school session are welcome to a free PRE-VISIT for their teachers.
- All SUFFOLK schools who book a session at the Red House can also receive a FREE introductory visit at your school from our learning team 1-2 weeks before your visit!

Please contact community@brittenpearsarts.org for further information.

Visiting The Red House

Summary

- Make a provisional booking via email to community@brittenpearsarts.org or telephone 01728 451700
- Check, sign and send back your booking form as confirmation of your visit.
- Please feel free to bring clipboards and pencils on your visit.
- Arrive at least 15 minutes before your session to allow for signing in and toilet stops.
- Assemble outside our education room at your allocated session time.
- Please complete an evaluation form after your visit (to be provided by The Red House staff)
- Enjoy your day!

Visiting The Red House

IN DEPTH

Before your visit

Telephone us (01728 451700) or email community@brittenpearsarts.org to make a provisional booking. A booking form will then be emailed to you along with our risk assessment.

Please check the confirmed date and number of children are as expected and return, . Confirmation will be sent on receipt of the completed booking form.

Fees	£2.50 per child, adults free
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Arrange adequate adult support for your groups as the day works best when exploring in smaller adult led groups.

The Red House is a popular resource for schools and visitors of all ages and our aim is to provide an enjoyable educational experience , so please read our guidance to make the visit as enjoyable as possible.

When you arrive

- Please try to arrive at least **15 minutes** before your start time (10.30am) . This will give you time for your lead teacher to sign in and any children to visit the toilets in the main reception area. If you can call us (**01728 451700**) approx. 10 minutes before you arrive, this is really useful.
- We are aware that traffic can cause problems and we will do all we can to make up time if you have been delayed in any way.
- Children's coats and bags will be left within our education room. Please keep bags with you until a member of staff shows you to the allocated area.
- The main toilet block is situated in the reception area. There is also one toilet outside the education room.
- Once your lead teacher has signed in please line up outside the education room (Imogen Hoist Room) and our staff will find you to begin your session.

Pencils

- Please feel free to bring your own pencils and/or sketch books for drawing. If bringing clipboards please bring a soft type or turn them upside down to avoid scratching display cases. Alternatively you could use sketchbooks.

Finally...

- There is a lot to see and discover at the Red House so leave as much time as possible and arrange plenty of adult help.
- After your visit please make sure that you have collected all your belongings.
- We hope that you enjoy your visit!

Music Maths– Structure of the Day

- This school session caters for up to 30 children and runs from approximately **10.00-2.30pm**. Please contact us you have a variation in numbers. We will be happy to work to accommodate you.
- **The children will need to split into two or three groups for the majority of the day,**

Welcome to the Red House the home of the famous composer Benjamin Britten. As you explore The Red House, archive, gallery and composition studio pupils will ponder our main question- whether music and maths are linked?

- This exciting session will begin with the class being introduced to Benjamin Britten, with the unique chance to explore his collections, house and the site where he lived and worked.
- We will explore the links between music and mathematics through a variety of activities which will examine; patterns, fractions, counting, measurement and estimation, co-ordinates and properties of 2d shapes.
- This session is also a unique opportunity for pupils to listen to live music and create and perform a class song using geometry and grid-work.
- This is an engaging and inspiring day for all musical mathematicians.

10.00-10.30	Group Introduction. Music, Maths and Britten
	Split into 3 groups
10.30-10.55	Activity 1-Explore the Red House
10.30-10.55	Activity 2-Music around the globe– measurement and estimation
10.30-10.55	Activity 3– Music, fractions and number lines
10.55-11.20	Rotation 1
11.20-11.45	Rotation 2
11.45-12.15	Musical Performance
12.15-1.00	Lunch (Ed Room/garden)
	Split into 2 groups
1.00-1.30	Activity 4-Musical Graphs
1.00-1.30	Activity 5– Gallery activity
1.30-2.00	Groups Swap
2.00-2.10	Plenary and performance (library)

What about Lunch?

- The Red House has a dedicated indoor area where lunches can be eaten. This is located in the Education Room outside the main reception area. You are also welcome to eat lunch outside within our beautiful gardens.
- Please place all rubbish in the schools bins provided in this area. We can provide you with extra bin liners if needed.
- During lunch please use the main toilet block if required.

Health and Safety

First Aid

- A First Aid Box is located at the Main Reception and Education Room. In the event of an accident or illness please contact the main Reception. The principle First Aid Kit is available from reception and there will be a designated First Aider on duty to assist you.
- The injured person or supervisory adult will be asked to provide details for the accident book.

Fire

- In the event of a fire the alarm will sound which will automatically summon the Fire Brigade. If you hear a fire alarm please leave the building immediately by the nearest exit, taking all those in charge with you. Do not go back for your belongings.

Risk Assessments

- Museum staff conduct risk assessments on all areas of learning in the museum. These will be emailed to you along with your booking form.

Parking

- As Golf Lane is narrow we advise all larger buses to drop off at the end of the Lane where it is a short walk to the gates of the Red House. Please contact us for further details.

The full address is

The Red House

Gold Lane

Aldeburgh

IP15 5PZ

Curriculum Links– *Musical Maths*

<p style="text-align: center;"><i>Maths KS1</i></p> <p>Identify and represent numbers using objects and pictorial representations including the number line.</p> <p>Recognise a half as one of two equal parts of an object, shape or quantity.</p> <p>Measure and record lengths and heights</p> <p>Recognise and name common 2-D shapes [for example, rectangles (including squares), circles and triangles]</p> <p>Choose and use appropriate standard units to estimate and measure length/height in using rulers.</p> <p>Interpret and construct simple pictograms, tally charts, block diagrams and simple tables</p> <p>Explore and count in fractions on a number line.</p>	<p style="text-align: center;"><i>Maths KS2</i></p> <ul style="list-style-type: none"> -Recognise and use fractions as numbers: unit fractions and non-unit fractions. with small denominators. - Recognise and show, using diagrams, equivalent fractions with small denominators -Compare and order unit fractions, and fractions with the same denominators -Measure, compare, add and subtract: lengths -Recognise 2D shapes & recognise angles as a property of shape or a description of a turn. - identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle -Interpret and present data using bar charts, pictograms and tables -Estimate, compare and calculate different measures -Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties -Identify acute and obtuse angles and compare and order angles up to two right angles on a 2-D grid as coordinates
<p style="text-align: center;"><i>History KS1</i></p> <ul style="list-style-type: none"> - The lives of significant individuals in the past who have contributed to national and international achievements. - Similarities and differences between house and home- early 20th Century and today. - Find out about lives of the past. 	<p style="text-align: center;"><i>History KS2</i></p> <ul style="list-style-type: none"> - Local History Study- a study of an aspect of history or a site from a period beyond 1066 which is significant in the locality. -Methods of historical enquiry.
<p style="text-align: center;"><i>Music KS1</i></p> <ul style="list-style-type: none"> - Play tuned and un-tuned instruments musically -Listen with concentration and understanding to a range of high-quality live and recorded music. -Experiment with, create, select and combine sounds using the inter-related dimensions of music. 	<p style="text-align: center;"><i>Music KS2</i></p> <ul style="list-style-type: none"> - Learn about musical composers. - Improvise and compose music for a range of composers using the inter-related dimensions of music - Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians - Develop an understanding of the history of music.

Shop use

We do have a small shop area which stock items such as books, CDs, postcards and other small gifts.

If you would like to use the shop this can be fit in during your lunch period. Please let us know if you are hoping to use the shop.

Alternatively you may wish for your children to purchase pre-ordered stationary packs.

Ring 01728 451700 at least 3 days before your visit if you would like stationary packs. Costs for stationary packs are below.

The Red House Stationery Pack	£2.00 per child	Mini-notepad, pencil, rubber, pen and postcard

Methods of payment :

**one school cheque made out to 'Britten Pears Arts'*

**credit card*

**cash (teachers are asked to count and check all money in advance and please use money bags)*

The Red House & Benjamin Britten

Introduction to Benjamin Britten

- Benjamin Britten was a composer born in Lowestoft, Suffolk in 1913.
- Many composers in the last century wrote music that was very complicated to listen to and required many highly skilled musicians to play and sing it.
- Benjamin Britten wrote music for everyone. He wanted his 'music to be of use to people, to please them, to enhance their lives.' People enjoy his music so much that he is now the most performed British composer in the world.
- He wrote music of all kinds and travelled all round the world performing it as a pianist and conductor.
- He was so famous that the BBC devoted a whole programme to him for his fiftieth birthday and he was the first musician in history to be made a Lord by the Queen.
- When he died in 1976, he left behind over 1000 pieces of extraordinary music and the fascinating story of a journey from Suffolk schoolboy to great composer.



There is lots to explore at The Red House

The Red House is where Britten and Pears lived for nearly two decades from 1957. It has been carefully displayed as it was back then. Your children will step back in time into a house which feels as though Britten and Pears have just stepped out for a moment.



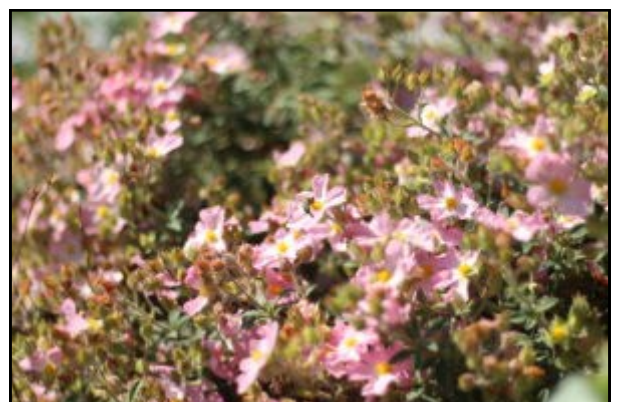
The studio is where Britten wrote many of his famous works. His desk, piano and other original items can be found in this room. It was a former hayloft and it was created in 1958.

The Library was built on the site of a disused barn in 1963. The room held Britten and Pears' large book and music collection and also functioned as a rehearsal space.



The Exhibition Gallery was built in the 1990s over Britten's open-air swimming pool, which is still beneath the floor. The Gallery now displays the amazing collections at The Red House to introduce Britten and his music. There is an audio guide to accompany the exhibition, a dress up area for children and an interactive screen.

Britten entertained guests, grew vegetables, and even played croquet and tennis in his wonderful gardens. Over 5 acres of garden is available for your children to eat lunch and stretch their legs.



Useful Contacts

Address– The Red House
Golf Lane
Aldeburgh
IP15 5PZ

Telephone– (01728) 451 700

Joe Carr (Curator of Learning and Collections)
jcarr@brittenpearsarts.org

community@brittenpearsarts.org

<https://brittenpearsarts.org/take-part/schools/onsite-school-sessions>