



Braeside Education  
Centre

# Autumn/Winter 2023/2024

## Primary School Years 2 - 6

# Able, Gifted, Talented and Enrichment courses for schools

Website applicants will need to be given this booklet's reference code  
**snowdrop** (case sensitive), in order to book.



Braeside Education  
Centre

# Wiltshire Schools

## Able, Gifted, Talented and Enrichment Courses

**Autumn/Winter 2023/2024**

**Primary school years 2 - 6**

This booklet has been redesigned to reflect significant changes that have been made. Please ensure that you familiarise yourself with the changes so that you can provide parents with all the necessary information.



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# Schedule of Courses

AGTE Autumn/Winter 2023/2024 courses for primary school years 2 – 6

## Years 2, 3 & 4

Year	Course Title	Subject	Tutor(s)	Date	Time	Max. pupils	Cost including VAT	AGAT or E	Page
2/3	Seasons to Stories	Literacy	Louise Lawrence	Wednesday 1 <sup>st</sup> November	9.30am - 2.30pm	16	£60	AGAT	11
2/3	Mathemagical Christmas	Numeracy	Elizabeth Davis	Saturday 9 <sup>th</sup> December	9.30am - 2.30pm	16	£60	AGAT	12
2	Mini Maths Challenge	Numeracy	Elizabeth Davis	Saturday 13 <sup>th</sup> January	9.30am - 2.30pm	16	£60	AGAT	13
2/3	Write a Super Sequel to Your Favourite Book	Literacy	Louise Lawrence	Thursday 18 <sup>th</sup> January	9.30am - 2.30pm	16	£60	AGAT	14
2	Dotty About Maths	Numeracy	Louise Lawrence	Friday 26 <sup>th</sup> January	9.30am - 2.30pm	16	£60	AGAT	15
3/4	Dream Big! Creative Writing	Literacy	Louise Lawrence	Friday 17 <sup>th</sup> November	9.30am - 3.00pm	16	£60	AGAT	16
3/4	Space Explorers	Science	Adrian Denning	Monday 20 <sup>th</sup> November	9.30am - 3.30pm	16	£60	AGAT	17
3/4	Gravity and Gunpowder	Science	Adrian Denning	Wednesday 22 <sup>nd</sup> November	9.30am - 3.30pm	16	£60	AGAT	18
3/4	Image to Imagination	Literacy	Louise Lawrence	Friday 24 <sup>th</sup> November	9.15am - 3.00pm	16	£60	AGAT	19
3/4	Christmas Story Writing	Literacy	Louise Lawrence	Wednesday 6 <sup>th</sup> December	9.30am - 3.00pm	16	£60	AGAT	20
4	Merry Christmaths!	Numeracy	Louise Lawrence	Friday 8 <sup>th</sup> December	9.30am - 3.00pm	16	£60	AGAT	21

**Years 2, 3 & 4**

Year	Course Title	Subject	Tutor(s)	Date	Time	Max. pupils	Cost including VAT	AGAT or E	Page
3/4	Braeside Academy of Magic	Literacy/Art	Louise Lawrence	Friday 12 <sup>th</sup> January	9.30am - 3.00pm	16	£60	AGAT	22
3/4	Art Meets Science – Kaleidacrafts	Art Science	Tone Townsend	Wednesday 17 <sup>th</sup> January	9.00am - 3.30pm	16	£60	AGAT	23
3/4	Science of Scalextric	Science	Adrian Denning	Thursday 18 <sup>th</sup> January	9.15am - 3.15pm	16	£60	AGAT	24
3/4	Rocket Balloons, Bubbles, Drops and Helicopters	Science	Rob Cunningham	Saturday 27 <sup>th</sup> January	9.15am - 3.15pm	16	£60	AGAT	25
3/4	Matchstick Maths	Numeracy	Louise Lawrence	Thursday 1 <sup>st</sup> February	9.30am - 3.00pm	16	£60	AGAT	26
3/4	Where do insects go in Winter?	Art Science	Marian Hill	Tuesday 6 <sup>th</sup> February	9.30am - 3.00pm	16	£60	AGAT E	27

**Year 5 & 6**

Year	Course Title	Subject	Tutor(s)	Date	Time	Max. pupils	Cost including VAT	AGAT or E	Page
5/6	The Mystery of Braeside	Literacy	Elen Caldecott	Thursday 2 <sup>nd</sup> November	9.30am - 3.30pm	16	£60	AGAT	28
5/6	Graphic Novels	Literacy	Louise Lawrence	Friday 10 <sup>th</sup> November	9.30am - 3.30pm	16	£60	AGAT	29
5/6	Venture into Space	Science	Adrian Denning	Tuesday 21 <sup>st</sup> November	9.30am - 3.30pm	16	£60	AGAT	30

## Year 5 & 6

Year	Course Title	Subject	Tutor(s)	Date	Time	Max. pupils	Cost including VAT	AGAT or E	Page
5/6	The Science of Winter	Science	Peter Sainsbury	Friday 24 <sup>th</sup> November	9.30am - 3.30pm	16	£60	AGAT	31
5/6	Write your own Adventure	Literacy	Elen Caldecott	Friday 1 <sup>st</sup> December	9.30am - 3.30pm	16	£60	AGAT	32
5/6	Digital Illustration; Festive Art	Art ICT	Oliver Daltrey	Saturday 9 <sup>th</sup> December	9.15am - 3.30pm	12	£60	AGAT E	33
5/6	Christmas Maths	Numeracy	Hannah Crook	Saturday 9 <sup>th</sup> December	9.00am - 3.00pm	18	£60	AGAT	34
5/6	Lego Spike Robotics Challenge	Science	John Trickett	Thursday 11 <sup>th</sup> January	9.30am - 4.30pm	16	£60	AGAT	35
5/6	Globe Trotter Maths	Numeracy	Hannah Crook	Saturday 13 <sup>th</sup> January	9.00am - 3.00pm	18	£60	AGAT	36
5/6	High Tech Spies	Science	Adrian Denning	Wednesday 17 <sup>th</sup> January	9.30am - 3.00pm	16	£60	AGAT	37
5/6	Scalextric Science Lab	Science	Adrian Denning	Friday 19 <sup>th</sup> January	9.30am - 3.30pm	16	£60	AGAT	38
5/6	Heroes and Monsters	Literacy	Elen Caldecott	Thursday 25 <sup>th</sup> January	9.30am - 3.30pm	16	£60	AGAT	39
5/6	Digital Illustration; Bring your favourite story scene to life	Art ICT	Oliver Daltrey	Saturday 27 <sup>th</sup> January	9.30am - 3.30pm	12	£60	AGAT E	40
5/6	Stars of Mathematics	Numeracy	Hannah Crook	Saturday 27 <sup>th</sup> January	9.00am - 3.00pm	18	£60	AGAT	41
5/6	Chemistry Day; Solids, liquids, and gases	Science	Peter Sainsbury	Friday 2 <sup>nd</sup> February	9.30am-3.30pm	16	£60	AGAT	42

## Introduction to the courses

These courses follow on from successful courses run in previous years and offer further opportunities from November 2023 – February 2024

Many pupils are particularly able or talented in one or more areas, such as:

- Academic and intellectual
- Expressive and performing arts
- Social, leadership and organisation
- Visual, spatial, and mechanical
- Design and technology
- Sport and physical

The overall aim of the courses is to extend the opportunities for individual pupils to explore and develop areas of ability and talent.

Our purposes are to:

- Provide an opportunity for teachers to acknowledge pupils' potential, gifts, and talents, and nominate them to participate in exciting and stimulating challenges.
- Extend the range of opportunities available to Years 2, 3, 4, 5 and 6 pupils, to meet others with similar interests, abilities, and talent in order to work in a variety of ways to increase understanding, develop skills and explore challenges.
- Provide an opportunity for teachers and other adults in the learning community to offer their knowledge and skills.
- Extend the range of learning activities available to pupils to **enrich** their education.

The courses focus on challenges for Years 2 to 6 pupils and offer a range of opportunities to work with adults from various professions and disciplines. It is our intention to extend the range of courses available in the future.

All courses in this programme will be held at Braeside Education Centre, Devizes, but some may involve visits off site in the surrounding area.

## Supervision stay information

- On one day courses the tutor(s) will carry out the supervision of the pupils. Additional Braeside staff are available to assist if necessary.
- Any medication that is required by a pupil should be brought with them and the tutors should be notified of any special requirements.
- **Whilst parents/carers deliver and collect pupils to and from Braeside, it is not expected that they remain on site.**  
**Access to the house will only be available five minutes prior to the end of the course for parents collecting.**

## Further details

- The courses are offered to Years 2 - 6 pupils at schools across Wiltshire. Courses may be more widely offered, i.e., to Swindon schools, to ensure viability.
- Schools are invited to publicise the courses to appropriate pupils and allow them to apply to Braeside for a place. Parents and pupils may also select courses of interest, but the pupil's school **must** endorse all AGAT applications.
- Various Enrichment courses, designated E, are included within this booklet. Pupils do not have to be on the AGAT register to apply. If you (or their class teacher) think they would gain from the enrichment courses, we would be happy for them to apply.
- No pupil should be denied nomination through financial hardship. A limited number of assisted places are available. Please contact Braeside on 01380 722637, for further information regarding this matter.

Parents/carers will be responsible for getting pupils to and from the courses – unless the school makes alternative arrangements.

- In the case of over subscription, places will be allocated by:
  - The date the application is received at Braeside, i.e., on a **first come, first served basis**.
  - Achieving a spread of schools and the geographical areas they represent
  - Whether the pupil has a place on another course
  - Comments written by the teacher on the application form.

Preference may be given to Year 6 pupils as Years 5 and 4 may be offered a place in the future. In cases where courses are highly oversubscribed, Braeside will endeavour to run extra courses so that pupils are not disappointed.

- School staff may attend by arrangement – indeed we would welcome any ideas that teachers and/or other professionals have on running or contributing to future courses.
- If a course place is booked, paid for, and allocated but the pupil does not attend (through illness etc.) a refund will **not** be given, unless a replacement is found for that place. (Insurance can be taken out for such circumstances – 'pupil trip insurance').

Braeside Education Centre is a trading name of Braeside House Ltd.

## Application procedure checklist for schools

- Consult booklet for course details – dates, times, focus, organisers, and location.
- Select appropriate course(s).
- Consult with colleagues and nominate pupil(s) using guidance criteria – teachers should make an individual comment on the pupil's suitability for AGAT courses.
- Enrichment courses, designated E, are included within this booklet. Pupils don't have to be on your AGAT register to apply. If you (or their class teacher) think they would gain from the enrichment courses, we would be happy for them to apply.
- Consult/inform parents/carers about the course details, cost, venue, transport arrangements. Please stress that places are **not guaranteed** as courses may be oversubscribed. Ensure parents/carers receive copies of application form and course details or are directed to our website to book.
- Parents/carers/schools can book by either;
  - **Completing our online application form on our website** [www.braeside-education.co.uk](http://www.braeside-education.co.uk)
  - Website applicants will need to be given this booklet's reference code **snowdrop** (case sensitive).  
**Course places cannot be booked without this code.**  
**This code replaces the teacher's endorsement at the bottom of paper applications. Schools should only give this code out to pupils who are eligible to apply.**
  - Sending paper application forms to the following address:

AGTE Coordinator  
Braeside Education Centre  
Bath Road  
Devizes  
SN10 2AP

- **Online Applications**  
Payment for courses can be made on our **website with a card payment** for online applications
- **Paper Applications**  
Card, BACS transfer or cash for paper applications.  
**Payments by cash** - must be included with the application form.  
**Payments by Card / BACS transfer** – If a child has been allocated a space, we will send parents/carers an email with details on how to pay.  
They will then have 7 days to pay. (Please note if we do not receive contact within 7 days of confirmation being sent, we cannot guarantee their child's space)  
**We no longer accept payments by cheque.**
- Parents/carers will be notified by an e-mail or telephone call if their child has been allocated a place.
- If any applicants have not heard whether a place has been allocated or not, they must contact Braeside to find out the outcome. (Sometimes emails do get lost.)
- Unsuccessful applicants will be refunded, but a reserve list will be kept in case those allocated a place drop out.
- It is suggested that schools keep a note of applications and pupils attending courses.
- Discuss course and follow-up work in school with appropriate pupils and staff.  
All pupils are given a course summary sheet which notes areas covered in the course and suggested further areas of study. Course summaries can be sent to your school, on request.



<b>OFFICE USE ONLY</b>	
<b>Date Received:</b>	
<b>REF:</b>	
<b>PAYMENT:</b>	

## Course application form

### - page one of two

#### Please only use this form if you cannot book online via our website.

Please ensure you have read the course details sheet from the school or our website, before completing this application. Places are not automatically guaranteed but are allocated according to the criteria laid out in the AGTE booklet sent to schools and on the Braeside website. Confirmation notifications will be sent from Braeside by email for all successful applications.

**Please do not assume a place has been allocated but contact Braeside if you do not receive a response within four weeks of the course date.**

If a place is booked, allocated and paid for, but the pupil does not attend, (through sickness etc.) money will **not** be refunded. If Braeside cancels the course for any reason, a **full** refund will be made.

**If applying for more than one course at a time, please use a separate application and payment for each course.**

<b>Name of course</b>		<b>Course dates</b>		<b>Time</b>	
Forename		Surname		M / F	
Date of birth		Parent/Carer Name			
Address					
Tel. No. 1		Tel. No. 2		Two phone numbers <b>must</b> be provided.	
Email (Please use BLOCK CAPITALS)					
School			Year group		
Previous courses attended					

Please select which method you will be using for payment of this course.

Payment Method	
Cash	<input type="checkbox"/>
Card / BACS Transfer	<input type="checkbox"/>

**Payments by cash** - must be included with your application form.

**Payments via Card or Internet Banking (BACS Transfer)** Details will be supplied when your child is offered a place.

We will send you a confirmation email if your child has been allocated a space. You will then have 7 days to pay.

(Please note if we do not receive contact within 7 days of your confirmation being sent, we cannot guarantee your child's space.)

We no longer accept  
Cheque payments.

Signed (Parent/Carer): \_\_\_\_\_ Date: \_\_\_\_\_

#### Endorsement to be provided by teacher;

I believe that the child named above is suitable for the course entitled.

Signed (Teacher): \_\_\_\_\_ Date: \_\_\_\_\_

**Teachers** - please also write comments below to help us assess the suitability of this pupil for this course: -

## Course application form - page two of two

Name of course:		Course dates:	
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**IMPORTANT: This form must be completed and returned to Braeside before the start of the course.**

Name of participant's doctor		Surgery Tel. No.	
Surgery address			
Dietary needs/requirements			
Behavioural needs/requirements			
Medical conditions *			

\* Please ensure that any medication required for the duration of the course is brought with the pupil and that the tutor is informed.

### Parent/Carer declaration:

In signing this document I accept the following:

- I have read and fully understood the information relating to the proposed activity.
- I consider my son/daughter/ward to be medically fit to participate in the activities outlined and agree to inform you should this situation change between now and the activity date.
- I agree to my son/daughter/ward receiving medication and any emergency dental, medical or surgical treatment, including anaesthetic, as considered necessary by the medical authorities present. (In the event of an emergency, every effort will be made to contact parents/guardians immediately on the phone numbers supplied).
- Behaviour: pupils attending courses are expected to exhibit their **best** behaviour and to be polite and mature in responses to other pupils and adults. It is expected that pupils will follow instructions for their own and others' safety. Any pupil misbehaving may be prevented from continuing with the activity and parents may be contacted to arrange their collection.
- **Photographs** - Please tick this box , "if you do not wish to allow photographs of your son/daughter/ ward to be used in publicity/promotion including social media, for this type of course in the future."
- **Mobile devices** - we advise that pupils do not bring Mobile Phones or Internet devices, unless requested as part of the course. Braeside has unfiltered WI FI for conference purposes.

Name: \_\_\_\_\_

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Please send application forms to: **AGTE Co-ordinator, Braeside Education Centre, Bath Road, Devizes, SN10 2AP**. Please note that places cannot be reserved by phone/email, although enquiries can be made regarding availability. It is not expected parents/carers remain on site. Access to the house will only be available 5 minutes prior to the end of the course for collection.

#### Privacy Policy - What will Braeside Education Centre do with your data?

It's simple. We need the information that you share with us to enable us to run our exciting activities, programmes, and courses with your child and to satisfy our legal responsibilities. We will keep the data safe for as long as your child is participating in our courses and in accordance with data retention rules. We promise that we will only share your information outside of Braeside Education Centre if you ask us to, the law requires us to do so, in order to comply with our policies so that your child can enjoy an activity safely that either we deliver, or an approved/contracted provider delivers, or it's in the public interest. Don't worry - we will never sell your data or share it for any other reason. Braeside Education Centre is the data controller meaning that we are the organisation that manages and looks after your data.

This is a summary of the Privacy Policy. If you would like to find out more about how we use your information and your rights, please view the full Privacy Policy on our website. Visit – <http://www.braeside-education.co.uk/data-protection-notice.html>

## Year 2/3 pupils - Seasons to Stories

Date of course	Times	Venue	Cost	Max. places	Subject
Wednesday 1 <sup>st</sup> November 2023	9.30am – 2.30pm	Braeside Education Centre	£60	16	Literacy AGAT

### Course Details

*'For now, the nights are drawing in, the seasons have turned once more. Gather round I say, harken to the tale I tell...'*

The tale is yours and you can make of it what you will, as you draw your readers into your very own seasonal story. On this course we will look at the inspiration we can take as writers from the environment, the atmosphere, and the weather, as well as other seasonal influences. We will delve into the details that may inspire us, exploring different ways to develop our creative writing.

Come along and enjoy the day, whilst having the opportunity to focus fully on your writing with tutorial support whilst meeting fellow writers with a similar interest.

### Guidance Criteria for Identifying Participants

Pupils should:

- Show an interest in developing their own ideas.
- Be keen to express themselves in writing.
- Demonstrate a natural flair for narrative work and written language in general.
- Be confident enough to discuss and share their work wherever possible.

### Course Tutor

**Louise Lawrence** graduated from the University of the West of England in 2002, with a BA honours degree in Primary English. Her extensive work as a primary teacher in a range of settings has seen her teach gifted and talented pupils aged 4 to 11. Louise is an incredibly adaptable teacher, who is passionate about all aspects of teaching and learning and has also branched out to fulfil the roles of Early Years Practitioner, one-to-one tutor, secondary language teacher and youth worker. In addition to this, she is a children's rugby coach. Louise is a creative individual with a particular passion for language, especially in relation to children's literature. She loves nothing more than to immerse herself in a good book with her own children and thrives upon the enjoyment of developing children's reading and writing skills across a range of exciting genres.

### As a result of attending the course you will have:

- Gained confidence in exploring a range of ways to express your narrative ideas.
- Used nature and the seasonal environment as creative stimuli.
- Developed skills in scaffolding your writing beyond previously known formats.
- Tested various starting strategies for the creative process.
- Developed on your journey as an author.
- A certificate of attendance.

### Students should bring:

- Pencils, pens, and notebook
- Water bottle
- Clothes suitable for outdoor breaks

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 2/3 pupils – Mathemagical Christmas

Date of course	Times	Venue	Cost	Max. places	Subject
Saturday 9 <sup>th</sup> December 2023	9.30am – 2.30pm	Braeside Education Centre	£60	16	Numeracy AGAT

### Course details

Christmas is a time for fun and celebration. ‘Mathemagical Christmas’ activities discover the mathematical ideas and calculations behind shapes, patterns, and designs. You will be able to use and develop your mathematical knowledge with a bit of Christmas sparkle thrown in!

Pupils will experience a variety of practical maths challenges over the course of the day, with a variety of shape, space, and calculation. The children will need to explain their problem-solving strategies and be able to identify and develop recording methods. They will also be able to adopt practical approaches incorporating the topics covered.

### Guidance criteria for identifying participants:

- Pupils are required to have a good level of mathematical ability / interest in maths.
- An ability to work on practical tasks including art and design work.
- An ability to work independently and share/ discuss ideas with others.
- The ability to work in unfamiliar conditions i.e., with other adults and children in a role-play context.

### Course tutor

**Elizabeth Davis** is a primary school teacher based in BANES. With fifteen years’ experience of teaching across the primary age phase, she is also a Lead Practitioner for English and maths for a Multi Academy Trust supporting across 7 primary schools. She has particular experience with English and maths teaching that challenges and extends all children and particularly enjoys problem solving and open-ended tasks that allow children to broaden their experiences and apply their skills and promoting a love of reading.

### As a result of attending the course you will have:

- Developed your ability to see maths around us.
- Developed interpersonal skills and the ability to explain the mechanics of your work.
- Developed your mathematical and logical approaches to challenges.
- Enjoyed yourself!

### Students should bring:

- Pencils / pencil case
- Water bottle
- Clothes suitable for outdoor play

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 2 pupils – Mini Maths Challenge

Date of course	Times	Venue	Cost	Max. places	Subject
Saturday 13 <sup>th</sup> January 2024	9.30am – 2.30pm	Braeside Education Centre	£60	16	Numeracy AGAT

### Course details

Meet new friends, solve puzzles, investigate shapes as you've never seen them before, use equipment, play games to earn points as you use and develop your maths skills but are challenged to explore new things too.

An introduction to Braeside courses with a varied and engaging set of activities to undertake. The course aims to consolidate known mathematical skills, introduce new skills and develop new ways of thinking about maths.

### Guidance criteria for identifying participants:

- Able mathematicians with an interest to explore the subject beyond basic calculations and develop wider thinking and problem-solving skills.
- The ability to work independently and communicate within the wider group.
- The ability to work in unfamiliar conditions i.e., with other adults and children.

### Course tutor

**Elizabeth Davis** is a primary school teacher based in BANES. With fifteen years' experience of teaching across the primary age phase, she is also a Lead Practitioner for English and maths for a Multi Academy Trust supporting across seven primary schools. She has particular experience with English and maths teaching that challenges and extends all children and particularly enjoys problem solving and open-ended tasks that allow children to broaden their experiences and apply their skills and promoting a love of reading.

### As a result of attending the course you will have:

- Explored shape, space and measure concepts and the mathematical principles underlying them.
- Developed communication skills with others, both interpersonally and through explaining your work
- Developed your mathematical knowledge.
- Enjoyed yourself!

### Students should bring:

- Pencils / Paper/ Pencil case
- Water bottles
- Clothes suitable for outdoor breaks

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 2/3 pupils – Write a Super Sequel to your Favourite Book!

Date of course	Times	Venue	Cost	Max. places	Subject
Thursday 18 <sup>th</sup> January 2024	9.30am – 2.30pm	Braeside Education Centre	£60	16	Literacy AGAT

### Course Details

Imagine that the publishers of your favourite book have asked you to write the sequel to it. A new character or a different setting could be introduced; thinking about how the writer of the original book has used language, sentences, and character development, you can build an exciting new story. It's time to let your imagination take off!

If you can, please bring your favourite story book to the course and be ready to explain to a partner why you love it so much.

### Guidance Criteria for Identifying Participants

Pupils should:

- enjoy writing for pleasure.
- be enthusiastic readers.
- have a natural flair for creative writing.
- be willing to discuss their thoughts and ideas with others.

### Course Tutor

**Louise Lawrence** graduated from the University of the West of England in 2002, with a BA honours degree in Primary English. Her extensive work as a primary teacher in a range of settings has seen her teach gifted and talented pupils aged 4 to 11. Louise is an incredibly adaptable teacher, who is passionate about all aspects of teaching and learning and has branched out to fulfil the roles of Early Years Practitioner, one-to-one tutor, secondary language teacher and youth worker. In addition to this, she is a children's rugby coach. Louise is a creative individual with a particular passion for language, especially in relation to children's literature. She loves nothing more than to immerse herself in a good book with her own children and thrives upon the enjoyment of developing children's reading and writing skills across a range of exciting genres.

### As a result of attending the course you will have:

- developed a character through either participating in or watching roleplay.
- implemented the stylistic features of your chosen book.
- shared your work with other writers.
- provided constructive feedback to your peers.
- designed an eye-catching cover for your sequel.
- been presented with a personalised course certificate.

### Students should bring:

- A copy of their favourite book or story, if possible
- Notebook
- Writing/colouring pencils and pens (pencil case)
- Water bottle
- Suitable clothes/footwear for outdoor breaks

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 2 pupils – Dotty About Maths

Date of course	Times	Venue	Cost	Max. places	Subject
Friday 26 <sup>th</sup> January, 2024	9.30am – 2.30pm	Braeside Education Centre	£60	16	Numeracy AGAT

### Course Details

Make new friends and work collaboratively to earn points by completing an exciting array of completely dotty challenges. Try out some ladybird maths, use dominoes to develop your understanding of number, and learn about shapes by making 3-D dice with a difference! Learn new mathematical skills and use these to defeat your opponent in a range of delightfully dotty games. This is the perfect introduction to Braeside courses, providing a varied and engaging set of activities which aim to:

- build upon and consolidate prior mathematical knowledge.
- introduce new mathematical skills.
- develop new ways of thinking about Maths in a fun and engaging environment.

Come and join us for a truly fantastic, fun-filled, and dotty day!

### Guidance criteria for identifying participants:

- enthusiastic, able mathematicians with an interest in exploring the subject to develop their wider thinking and problem-solving skills.
- able to work both independently and collaboratively within a group, and in unfamiliar surroundings.

### Course Tutor

**Louise Lawrence** graduated from the University of the West of England in 2002, with a BA honours degree in Primary Teaching. Her extensive work as a teacher in a range of settings has seen her teach gifted and talented pupils aged 4 to 11. Louise is an incredibly adaptable teacher. She is passionate about all aspects of teaching and learning and has branched out to fulfil the roles of Early Years Practitioner, one-to-one tutor, secondary language teacher and youth worker. She is also a children's rugby coach. Louise thrives upon the opportunity to use Mathematics as a means of introducing pupils to concepts, skills and thinking strategies that are essential in day-to-day life. Seeing children delight in using Mathematics to solve a problem is one of the things that really makes her tick!

### As a result of attending the course you will have:

- explored a range of mathematical concepts and their underlying principles.
- developed your communicative skills through collaboration and explaining your ideas.
- expanded your mathematical knowledge.
- received a personalised certificate of attendance/achievement.
- HAD FUN!

### Students should bring:

- pencils/paper/pencil case
- water bottles
- suitable clothes for outdoor breaks
- Feel free to wear something dotty, although this is absolutely non-essential!

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 3/4 pupils – ‘Dream BIG!’ Creative Writing

Date of course	Times	Venue	Cost	Max. places	Subject
Friday 17 <sup>th</sup> November 2023	9.30am – 3.00pm	Braeside Education Centre	£60	16	Literacy AGAT

### Course details

Did you dream last night? Can you remember what happened? How did it make you feel?

The wonderful thing about dreams is that there are no rules. Yes, that's right - NO RULES! Anything can happen, be it funny, fascinating, mind-boggling or strange... The possibilities are truly endless. Embark upon a journey to create your very own dream, where you will explore the fantasy genre and discover what makes a jaw-droppingly magical piece of descriptive writing. We will kickstart our journey by looking at examples of dreams in popular children's literature, using a collaborative approach to identify the best types of 'ingredients' for our own dreams. We will then write about our dreams and celebrate our achievements by sharing them with each other. You will also have the opportunity to use cross-curricular links with Design and Technology to create your very own dream jar to take home at the end of the session. This is the perfect opportunity to let your imagination run wild!

### Guidance criteria for identifying participants:

Pupils should:

- be keen to develop their creative writing skills.
- enjoy working collaboratively and communicating with new people.
- thrive upon showcasing their creativity, especially in relation to the use of descriptive language.
- a desire to combine their writing skills with cross curricular links to create an amazing end product.

### Course Tutor

**Louise Lawrence** graduated from the University of the West of England in 2002, with a BA honours degree in Primary English. Her extensive work as a primary teacher in a range of settings has seen her teach gifted and talented pupils aged 4 to 11. Louise is an incredibly adaptable teacher, who is passionate about all aspects of teaching and learning and has branched out to fulfil the roles of Early Years Practitioner, one-to-one tutor, secondary language teacher and youth worker. In addition to this, she is a children's rugby coach. Louise is a creative individual with a particular passion for language, especially in relation to children's literature. She loves nothing more than to immerse herself in a good book with her own children and thrives upon the enjoyment of developing children's reading and writing skills across a range of exciting genres.

### As a result of attending the course you will have:

- explored the fantasy genre.
- identified what makes an excellent piece of descriptive writing.
- designed and written about your very own dream.
- created a magical dream jar to take home.
- worked with new people.
- received a course certificate to treasure.
- HAD FUN!

### Students should bring:

- pencils/pens/paper
- water bottle
- appropriate clothing for outdoor breaktimes

**Lunch and refreshments are provided. School uniform is not required.  
No mobile phones.**



## Year 3/4 pupils – Space Explorers

Date of course	Times	Venue	Cost	Max. places	Subject
Monday 20 <sup>th</sup> November 2023	9.30am - 3.30pm	Braeside Education Centre	£60	16	Science AGAT

### Course details

A popular one-day workshop featuring a fascinating mix of space, stars, and fun with the chance to hold part of an asteroid! The day includes a study of the heavens and an exploration of the Solar System. Before that, we look closer to home and discover why we have seasons, leap years and why the Moon looks different every night. Our special guest will be a large piece of the Campo Del Cielo meteorite that fell to Earth over 4500 years ago!

Students will have the chance to examine the meteorite and use a special observatory-grade telescope to view the Sun as it will be daylight. There will also be tips on how to observe the night sky for when you are back at home.

### Guidance criteria for identifying participants:

- Pupils should have an interest in space and an enquiring mind.
- Pupils will need to be able to work confidently, both individually and in small groups.
- Pupils must want to share the academic and practical challenges of the course – and the fun!

### Course Tutor

**Adrian Dening** has over thirty-five years' experience in delivering science courses for Able, Gifted and Talented students. He offers a wide range of topics exploring electronics, ICT, space science and even spying! He is a keen Amateur Radio enthusiast and astronomer. Adrian is an Approved Driving Instructor and member of the Chartered Institute of Personnel and Development. He is the Technical and Training Director of Radio Ninesprings, a local community radio station and produces a weekly astronomy program for them. His AGAT courses are challenging, with a balance between theory at a high academic level and fun practical exercises to consolidate what has been learnt. The courses involve a mix of individual and group activities and students are actively encouraged to explore different learning styles, take responsibility for their own time management, and think "outside the box". A full portfolio of Adrian's courses is available at <http://www.AdrianDening.com>

### As a result of attending the course you will have:

- A greater understanding of the planets in our Solar System.
- Made detailed observations of the Sun.
- Understand the relationship between Earth and its moon.
- Enjoyed new challenges and shared your knowledge with new like-minded friends.

### Students should bring:

- Pencils / pencil case
- Water bottle
- Clothes suitable for outdoor play

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 3/4 pupils – Gravity and Gunpowder

Date of course	Times	Venue	Cost	Max. places	Subject
Wednesday 22 <sup>nd</sup> November 2023	9.30am – 3.30pm	Braeside Education Centre	£60	16	Science AGAT

### Course details

Rocket science is always an extremely popular topic at Braeside, featuring an explosive mix of physics and fun! This special day course begins with an exploration of aerodynamics and Newton's Laws of Motion, followed by rocket design and the propellants used to launch them. To reinforce their learning, students will then fly a selection of model rockets to prove the theories that have been discussed. Computer simulation will be used to check each rocket's design and stability before launching for real later in the afternoon.

Forget air and water powered rockets that can be bought in model shops – we will be using gunpowder as our fuel! The pyrotechnic rocket motors used are specifically designed for this course and remotely fired. They are both exciting and safe. The students do not handle any form of explosive at any time and safety is paramount.

### Guidance criteria for identifying participants:

- Pupils should have an interest in physics and an enquiring mind.
- Pupils will need to be able to work confidently, both individually and in small groups.
- Pupils must be willing to generate ideas based on scientific data.
- Pupils must want to share the academic and practical challenges of the course – and the fun!

### Course tutor

**Adrian Dening** has over thirty-five years' experience in delivering science courses for Able, Gifted and Talented students. He offers a wide range of topics exploring electronics, ICT, space science and even spying! He is a keen Amateur Radio enthusiast and astronomer. Adrian is an Approved Driving Instructor and member of the Chartered Institute of Personnel and Development. He is the Technical and Training Director of Radio Ninesprings, a local community radio station and produces a weekly astronomy program for them. His AGAT courses are challenging, with a balance between theory at a high academic level and fun practical exercises to consolidate what has been learnt. The courses involve a mix of individual and group activities and students are actively encouraged to explore different learning styles, take responsibility for their own time management, and think "outside the box". A full portfolio of Adrian's courses is available at <http://www.AdrianDening.com>

### As a result of attending the course you will have:

- A greater understanding of space exploration and the technologies that support it.
- Taken part in a rocket launch having gained an appreciation of safety requirements.
- Conducted scientific experiments and drawn conclusions from the results.
- Enjoyed new challenges and shared your knowledge with new like-minded friends.

### Students should bring:

- Pencils / pencil case
- Water bottle
- Clothes suitable for outdoor play

**Lunch and refreshments are provided.**  
**School uniform is not required. No mobile phones.**

## Year 3/4 pupils – Image to Imagination

Date of course	Times	Venue	Cost	Max. places	Subject
Friday 24 <sup>th</sup> November 2023	9.15am – 3.00pm	Braeside Education Centre	£60	16	Literacy AGAT

### Course details

It's time to view the world with a writer's eye, as you learn how to develop a wonderful piece of creative writing using the stimuli of vibrant and exciting pictures! Our selection of images will be varied and thought-provoking, having been carefully chosen to inspire you whilst developing your skills in inference and prediction. Together we will explore the stories in the pictures and use immersive drama techniques to 'participate' in the events within them, going backwards and forwards in time to imagine the lead up to each image and decide what happens next. Excellent use of vocabulary and explanatory skills are a must, not to mention thinking on your feet, as we freeze frame parts of the emergent story in order to 'hot seat' characters from within it. We will use this performance-based steppingstone to develop vivid and thoughtful pieces of writing drawn from our discussions and experiences. First person or third person perspective? The choice is yours! Come and join us on our creative journey, for what is certain to be an imaginatively inspiring day.

### Guidance criteria for identifying participants:

- Pupils should have an interest and good ability in creative writing.
- Pupils should be able to work collaboratively as well as independently.
- Pupils should be confident enough to present their work to others, both in character role or as themselves.
- Pupils should demonstrate an ability to focus on quality over quantity.

### Course tutor

**Louise Lawrence** graduated from the University of the West of England in 2002, with a BA honours degree in Primary English. Her extensive work as a primary teacher in a range of settings has seen her teach gifted and talented pupils aged 4 to 11. Louise is an incredibly adaptable teacher, who is passionate about all aspects of teaching and learning and has branched out to fulfil the roles of Early Years Practitioner, one-to-one tutor, secondary language teacher and youth worker. In addition to this, she is a children's rugby coach. Louise is a creative individual with a particular passion for language, especially in relation to children's literature. She loves nothing more than to immerse herself in a good book with her own children and thrives upon the enjoyment of developing children's reading and writing skills across a range of exciting genres.

### As a result of attending the course you will have:

- enjoyed developing your creative writing skills to produce a quality piece of writing
- had the opportunity to implement drama as a powerful learning tool
- successfully collaborated with others
- received a personalised certificate of attendance
- gained new skills, increased confidence and a sense of achievement
- HAD FUN!

### Students should bring:

- something suitable to write on or in
- writing pens/pencils
- coloured pens/pencils
- water bottle
- clothes suitable for outdoor breaks
- THEIR IMAGINATION AND A WILLINGNESS TO LEARN!

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones**

## Year 3/4 pupils – Christmas Story Writing

Date of course	Times	Venue	Cost	Max. places	Subject
Wednesday 6 <sup>th</sup> December 2023	9.30am – 3.00pm	Braeside Education Centre	£60	16	Literacy AGAT

### Course Details

***‘The most magical way to see Christmas is through the eyes of a child.’***

Christmas stories are such a wonderful part of the lead up to the festive season and with this in mind, we embark upon a creative journey where pupils become immersed in the craft of imaginative Christmas story writing. They will have the opportunity to explore a range of seasonal stories, discussing their key features with peers and experimenting with different structures and vocabulary for their own stories.

Who knows? The pupils’ own stories could become treasured Christmas gifts to friends or family members!

### Guidance Criteria for Identifying Participants

Pupils should:

- love writing for pleasure.
- enjoy reading/listening to stories and discussing their features.
- be keen to share their thoughts and ideas with others.
- demonstrate an ability to write freely and confidently, both independently and with a collaborative approach.

### Course Tutor

**Louise Lawrence** graduated from the University of the West of England in 2002, with a BA honours degree in Primary English. Her extensive work as a primary teacher in a range of settings has seen her teach gifted and talented pupils aged 4 to 11. Louise is an incredibly adaptable teacher, who is passionate about all aspects of teaching and learning and has also branched out to fulfil the roles of Early Years Practitioner, one-to-one tutor, secondary language teacher and youth worker. In addition to this, she is a children’s rugby coach. Louise is a creative individual with a particular passion for language, especially in relation to children’s literature. She loves nothing more than to immerse herself in a good book with her own children and thrives upon the enjoyment of developing children’s reading and writing skills across a range of exciting genres.

### As a result of attending the course you will have:

- a self-written Christmas story to be proud of.
- an extended knowledge of writing for specific purposes & audiences.
- an enthusiasm to continue writing imaginative, well-structured stories that engage your reader(s).
- a certificate of attendance.

### Students should bring:

- writing and drawing equipment (pencil case)
- notebook
- water bottle
- suitable clothing for outdoor breaks

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 4 pupils – Merry Christmaths!

Date of course	Times	Venue	Cost	Max. places	Subject
Friday 8th December 2023	9.30am – 3.00pm	Braeside Education Centre	£60	16	Numeracy AGAT

### Course details

Christmas is a thrilling time of year and at Braeside, we love nothing more than to get stuck into some Christmas-themed learning! Take part in 'Merry Christmaths!' and you will discover the fascinating mathematical concepts behind seasonal shapes and designs. You will also be able to put your calculation skills to the test in some fabulous, festive number challenges. Earn stars for your Mathematical endeavours, and use them to embellish your very own souvenir Christmas tree decoration. This is the perfect chance to use and develop your mathematical knowledge in the most festive of ways! Pupils will experience a range of shape, space and calculation challenges throughout the day. There will be a strong practical element and they will need to develop and explain their problem-solving strategies whilst finding effective methods of recording.

### Guidance Criteria for Identifying Participants:

- Pupils should have a good level of mathematical ability/interest
- Pupils should have the ability to work on practical tasks, including art and design work
- Pupils should have the ability to work both independently and with a collaborative approach
- Pupils should have the confidence to work with new people in an unfamiliar environment

### Course tutor

**Louise Lawrence** graduated from the University of the West of England in 2002, with a BA honours degree in Primary Teaching. Her extensive work as a teacher in a range of settings has seen her teach gifted and talented pupils aged 4 to 11. Louise is an incredibly adaptable teacher. She is passionate about all aspects of teaching and learning and has branched out to fulfil the roles of Early Years Practitioner, one-to-one tutor, secondary language teacher and youth worker. She is also a children's rugby coach. Louise thrives upon the opportunity to use Mathematics as a means of introducing pupils to concepts, skills and thinking strategies that are essential in day-to-day life. Seeing children delight in using Mathematics to solve a problem is one of the things that really makes her tick!

### As a result of attending the course you will have:

- an enhanced ability to see Maths around us
- developed your interpersonal skills and ability to explain your reasoning
- a more logical approach to mathematical challenges
- received a personalised course certificate
- HAD FUN!

### Students should bring:

- pencils/pencil case
- water bottle
- clothes suitable for outdoor play (festive attire, if you so wish!)

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 3/4 pupils – Braeside Academy of Magic

Date of course	Times	Venue	Cost	Max. places	Subject
Friday 12 <sup>th</sup> January 2024	9.30am – 3.00pm	Braeside Education Centre	£60	16	Literacy & Art AGAT

### Course details

Welcome to Braeside Academy of Magic! If you have not previously enrolled at the academy, you will be introduced to the correct etiquette and traditions of Magical Studies, in addition to the standards expected here. You will then need to begin by determining your all-important wand type and join us for our obligatory Sorting Ceremony to discover which house you will be assigned to for the duration of your time here. As we develop your magical understanding, we will work hard to create vivid spells and charms that you will document in written and artistic forms. Practise saying incantations in your role as a young witch or wizard, and you will evoke the deepest of imaginations and make the hairs on your comrades' necks stand up on end! As we continue our magical journey, we will design our very own magical potions (each with a clear objective in mind), through the careful selection and combining of the finest and most effective of ingredients. Finally, we will examine the academic side of the topic that is 'Magical Creatures,' exploring traditional texts and folklore as tools for developing our own artistic and creative writing abilities. This is a course that will bewitch the mind and ensnare the senses, whilst you revel in the comradeship that can be found among your fellow young witches and wizards!

### Guidance criteria for identifying participants

- Students should be interested in Magical Studies and Magical Creatures.
- Students should demonstrate good literacy skills and have a wider interest in folklore, artistic representation, and magic.
- Students should be confident enough to work with new people, in unfamiliar surroundings and within the context of role-play.

### Course Tutor

**Louise Lawrence** graduated from the University of the West of England in 2002, with a BA honours degree in Primary English. Her extensive work as a primary teacher in a range of settings has seen her teach gifted and talented pupils aged 4 to 11. Louise is an incredibly adaptable teacher, who is passionate about all aspects of teaching and learning and has branched out to fulfil the roles of Early Years Practitioner, one-to-one tutor, secondary language teacher and youth worker. In addition to this, she is a children's rugby coach. Louise is a creative individual with a particular passion for language, especially in relation to children's literature. She loves nothing more than to immerse herself in a good book with her own children and thrives upon the enjoyment of developing children's reading and writing skills across a range of exciting genres.

### As a result of coming on the course you will have:

- developed your ability to write and draw with creativity and flair
- explored the use of role play as an effective tool for enchanting your audience
- studied elements of traditional texts such as folklore, myths and legends
- received a personalised certificate of attendance
- HAD FUN!

### Students should bring

- general study cloak (winter uniform, black over-cloak if available)
- comfortable study clothes/shoes for indoor and outdoor classes
- water bottle
- personal journal - a book with positive energy, that is respectably bound, containing plain or lined paper.
- quill or other suitable writing/colouring implements!

Lunch and refreshments are provided. No mobile phones.

Whilst they may be taken to class, wand use is not permitted for pupils under 16 years old.

## Year 3/4 pupils – Art Meets Science; Kaleidacrafts

Date of course	Times	Venue	Cost	Max. places	Subject
Wednesday 17 <sup>th</sup> January 2024	9.00am – 3.30pm	Braeside Education Centre	£60	16	Art & Science AGAT

### Course details

A cross-curricular course taking aspects of Art and Science to create a personal individual single project.

Pupils will gain an appreciation of a range of paper types, uses of different paint mediums and a blend of contrasting colour ideas, followed by an understanding of some creative application techniques. Using this information, they will be able to create their own colourful Kaleidacraft design.

Once this project is completed, the second part of the course introduces Sir Isaac Newton and by adding science to their Kaleidacraft, pupils will then use their creation to demonstrate the forces of action and reaction.

### Guidance criteria for identifying participants:

- Attendees should enjoy Art and Creativity
- Be open to new ideas and possibilities.
- Be able to work both independently and within a group.

### Course tutor

**Tone Townsend** has explored a passion for art and science since school days. For many years, she ran a successful pottery business after attaining a degree in industrial ceramics. More recently, Tone obtained her PGCE enabling her to specialise in the delivery of courses for Able, Gifted and Talented children. She provides a unique range of courses exploring links between art and technology, actively encouraging students to broaden their range of thinking.

### As a result of attending the course you will have:

- Learned about primary, secondary and tertiary colours.
- Discovered different art media and paper types.
- Experimented with forces and the effects of gravity.
- Had loads of fun working with your classmates.
- Experienced the "magic" of science.

### Students should bring:

- Pupils should bring protective clothing as we will be experimenting with different paints and processes - apron or old clothes will be ideal.
- Pencil
- Water bottle

**Lunch & refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 3/4 pupils – Science of Scalextric

Date of course	Times	Venue	Cost	Max. places	Subject
Thursday 18 <sup>th</sup> January 2024	9.15am – 3.15pm	Braeside Education Centre	£60	16	Science AGAT

### Course details

Take up pole position for this action-packed and educational workshop, where you are going to have a great time playing with Scalextric, but at the same time exploring maths and physics. A large Scalextric layout provides the opportunity to learn first-hand about the role that the electronics play. Electronics alone cannot keep your car on the track – is it driving skill or pure physics? How do we make sure that the races are fair? Are you up for the challenge to take 1<sup>st</sup> place in the Braeside Grand Prix?

### Guidance criteria for identifying participants:

- Pupils should have an interest in physics and an enquiring mind.
- Pupils will need to be able to work confidently, both individually and in small groups.
- Pupils must show the aptitude to translate theory into a practical application.
- Pupils must want to share the academic and practical challenges of the course – and the fun.

### Course tutor

**Adrian Dening** has over thirty-five years' experience in delivering science courses for Able, Gifted and Talented students. He offers a wide range of topics exploring electronics, ICT, space science and even spying! He is a keen Amateur Radio enthusiast and astronomer. Adrian is an Approved Driving Instructor and member of the Chartered Institute of Personnel and Development. He is the Technical and Training Director of Radio Ninesprings, a local community radio station and produces a weekly astronomy program for them. His AGAT courses are challenging, with a balance between theory at a high academic level and fun practical exercises to consolidate what has been learnt. The courses involve a mix of individual and group activities and students are actively encouraged to explore different learning styles, take responsibility for their own time management, and think "outside the box". A full portfolio of Adrian's courses is available at <http://www.AdrianDening.com>

### As a result of attending the course you will have:

- A greater understanding of electronics.
- Worked successfully in a group with your peers.
- Enjoyed new challenges and shared your knowledge with new like-minded friends.

### Students should bring:

- Pencils / pencil case
- Water bottle
- Clothes suitable for outdoor play

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**



## Year 3/4 pupils – Rocket Balloons, Bubbles, Drops and Helicopters

Date of course	Times	Venue	Cost	Max. places	Subject
Saturday 27 <sup>th</sup> January 2024	9.15am – 3.15pm	Braeside Education Centre	£60	16	Science AGAT

### Course details

This thought-provoking day will focus on “broadening children’s scientific view of the world around them” (*Science programme of study Sept 13*). This course will give children the rare opportunity to spend a whole day focused on working scientifically. It will support accelerated progress within the new programme of study for any child with a questioning mind. During the day course members will be given the opportunity to secure and master the skills that are the outcomes for early Key Stage Two. Children will be given the opportunity to explore, talk about, test and develop ideas about everyday phenomena. Course members will make and investigate rocket balloons, blow incredible bubbles, and explore the life of a drop. Most importantly participants will be free to question and investigate the things that interest them; hopefully finding some surprises.

### Guidance criteria for identifying participants.

- Show an interest in the world.
- Be able to think about, question and discuss alternatives for scientific theories.
- Be able to work independently and in groups.
- Be trusted to use resources sensibly.
- You will not be required to read or write much – this course is for thinkers and doers!

### Course tutor

**Robert Cunningham** graduated from the University of Plymouth with a BEd honours degree. He then worked as the president of the student union before becoming a primary school teacher. Having had experience in both KS1 and KS2, Rob is now a Deputy Head in a large outstanding primary teaching school. He leads science and technology and has responsibility for this area across the Multi Academy Trust. Rob has a strong belief in children thinking and learning for themselves and making decisions that are going to be beneficial to their future. He believes that learning is most powerful when the ideas have been child initiated and that science offers the opportunity for children to acquire and develop these skills.

### As a result of attending the course you will have:

- Enjoyed yourself, made some friends.
- Asked and investigated a question of your choosing.
- Developed questioning and investigative skills setting up practical enquiries focused on fair testing.
- Made systematic and careful observations.
- Drawn conclusions, made predictions and suggested improvements.

### What you will take away with you

- New ideas and strategies to use in a real context.
- A broader prospective of science and how this links to career opportunities
- Certificate of attendance

### Students should bring.

- Pencil & pens / calculator / ruler
- Paper – squared if possible.
- Water Bottle

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 3/4 pupils – Matchstick Maths

Date of course	Times	Venue	Cost	Max. places	Subject
Thursday 1 <sup>st</sup> February 2024	9.30am – 3.00pm	Braeside Education Centre	£60	16	Numeracy AGAT

### Course details

This is an exciting opportunity to get immersed in matchstick mayhem! Work your way around a 'carousel' of fun mathematical logic puzzles, manipulating actual matchsticks to aid your problem-solving and create useful visual representations.

As the day progresses, you will get the chance to investigate linear sequences of matchstick patterns. You will learn to record basic algebraic representations of your findings and use these to make predictions involving larger sequences. The real challenge will be to design your own linear sequence for others to investigate!

### Guidance criteria for identifying participants:

- Pupils should be keen and able mathematicians.
- Pupils should demonstrate good problem-solving skills and a 'can do' approach to new challenges.
- Pupils should enjoy hands-on Maths activities.
- enjoy working collaboratively and communicating with new people.

### Course Tutor

**Louise Lawrence** graduated from the University of the West of England in 2002, with a BA honours degree in Primary Teaching. Her extensive work as a teacher in a range of settings has seen her teach gifted and talented pupils aged 4 to 11. Louise is an incredibly adaptable teacher. She is passionate about all aspects of teaching and learning and has branched out to fulfil the roles of Early Years Practitioner, one-to-one tutor, secondary language teacher and youth worker. She is also a children's rugby coach. Louise thrives upon the opportunity to use Mathematics as a means of introducing pupils to concepts, skills and thinking strategies that are essential in day-to-day life. Seeing children delight in using Mathematics to solve a problem is one of the things that really makes her tick!

### As a result of attending the course you will have:

- Worked collaboratively with others.
- Put your logic and problem-solving skills to the test.
- Carried out and designed mathematical challenges of an investigatory nature.
- Created useful visual and written representations of your findings.
- Received a course certificate to treasure.
- HAD FUN!

### Students should bring:

- A notebook/pad and pen/pencil
- Coloured pens/pencils
- A water bottle.
- Clothing that is suitable for outdoor break times

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 3/4 pupils – Where do insects go in Winter?

Date of course	Times	Venue	Cost	Max. places	Subject
Tuesday 6 <sup>th</sup> February 2024	9.30am – 3.00pm	Braeside Education Centre	£60	16	Art Science AGAT E

### Course details

Come and discover where all the insects are hiding during cold weather and learn amazing facts about insect habitats, hibernation, lifecycles, and metamorphosis, on this insect workshop with Marian Hill. Following the expertise of an illustrator you will create your own insect illustrated collage to take home. This workshop also includes an outdoor insect habitat walk (weather permitting), as well as badge making and paper craft. Illustrator, Marian Hill has become fascinated by insects and is on a quest to tell as many people as possible how vital they are and how many extraordinary species are living all around us. Join Marian at Braeside Education Centre for this Science/Art, Able, Gifted and Talented Course.

### Guidance criteria for identifying participants:

Pupils should:

- Be interested in learning about insects.
- Have enthusiasm for art and design.
- Have the ability to work in groups and independently.

### Course Tutor

**Marian Hill** has been creating insect habitats in her small Bath city garden and collaging all the insects she spots. So far, she has illustrated over 250 insects and is only just getting started! Marian is currently producing insect information posters with a growing number of organisations including Avon Wildlife, Bathscape, Bath City Farm and Bath Parks Department Bee Bold Pollinator Project. She has run insect collage workshops for the Festival of Nature, Forest of the Imagination, Bathscape and in a growing number of local schools. She has recently been featured on BBC Spring Watch. For a bigger insight into Marian's work, you can visit her website, [www.buzzandscuttle.com](http://www.buzzandscuttle.com).

### As a result of attending the course you will have:

- Learned about insect habitat, hibernation, lifecycles, and metamorphosis.
- Produced an insect illustration out of college.
- Made an insect badge.
- Created some 3D paper models.

### Students should bring:

- pencils/pens/paper
- water bottle
- appropriate clothing for outdoor breaktimes
- ideas about their favourite insects so we can discuss this as an introduction to the course.

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 5/6 pupils – The Mystery of Braeside Manor

Date of course	Times	Venue	Cost	Max. places	Subject
Thursday 2 <sup>nd</sup> November 2023	9.30am – 3.30pm	Braeside Education Centre	£60	16	Literacy AGAT

### Course details

This creative, practical day will explore sensory writing in a setting that encourages imaginative thinking. Young writers will use their skills of observation to create mystery and intrigue in their writing; they will be introduced to techniques that can hook a reader from the very first line. In the atmospheric rooms of Braeside Education Centre, we'll ask: who might have lived here in years gone by; what were their lives like...and what secrets might the house be hiding?

Pupils will have the opportunity to work with, learn from and be given advice on their writing by an experienced author.

### Guidance criteria for identifying participants:

- Pupils should be able to sustain their focus on writing.
- Pupils should enjoy using their imagination.
- Pupils should have an interest in writing for fun.

### Course tutor

**Dr Elen Caldecott** is a successful, award-winning author for children and young people who has published over forty titles with publishers such as Oxford Uni Press and Bloomsbury. Her novel *The Mystery of Wickworth Manor* was partly inspired by her own visit to an educational centre as a child. As well as writing mysteries, she also writes detective fiction and fantasy fiction. She is a Lecturer in Creative Writing at Lancaster University. She enjoys reading and walking her dog along the South West's beaches.

### As a result of attending the course you will have:

- Practised writing suspense, mystery, or thriller
- Used setting to inspire a story.
- Had an opportunity to write and edit a brand-new piece of work.
- Shared that piece with an audience of peers.
- Practised sensory writing: touch, sound, smell, as well as sight.
- Been given advice on their writing by an experienced author.
- Had fun!

### Further reading

There are many books that use historical buildings as settings. You may enjoy some of these:

- *Tom's Midnight Garden* by Philippa Pearce
- *Letters From the Lighthouse* by Emma Carroll
- *Diver's Daughter* by Patrice Lawrence

### Students should bring:

- A notebook or notepad and pen
- Water bottle
- Clothing suitable for outdoor break times

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 5/6 pupils – Graphic Novels

Date of course	Times	Venue	Cost	Max. places	Subject
Friday 10 <sup>th</sup> November 2023	9.30am – 3.30pm	Braeside Education Centre	£60	16	Literacy AGAT

### Course Details

Graphic novels - i.e., novels in comic-strip format - are a popular and entertaining form of literature which combine drawing and design with carefully crafted text into a structured whole. A specific combination of illustration and text supports the use of precise vocabulary and imaginative story structure. Pupils will get the chance to explore a range of graphic novels, then design and produce their own short version of either a well-known story or their own original creation.

### Guidance Criteria for Identifying Participants

Pupils should:

- enjoy writing for pleasure.
- be confident in the processes of creative drawing and designing.
- be willing to share and discuss their thoughts and ideas.
- be able to work freely and confidently, both independently and collaboratively.

### Course Tutor

**Louise Lawrence** graduated from the University of the West of England in 2002, with a BA honours degree in Primary English. Her extensive work as a primary teacher in a range of settings has seen her teach gifted and talented pupils aged 4 to 11. Louise is an incredibly adaptable teacher, who is passionate about all aspects of teaching and learning and has also branched out to fulfil the roles of Early Years Practitioner, one-to-one tutor, secondary language teacher and youth worker. In addition to this, she is a children's rugby coach. Louise is a creative individual with a particular passion for language, especially in relation to children's literature. She loves nothing more than to immerse herself in a good book with her own children and thrives upon the enjoyment of developing children's reading and writing skills across a range of exciting genres.

### As a result of attending the course you will have:

- produced your own graphic novel.
- extended your ability to write for specific purposes & audiences.

### What you will take away with you:

- your finished graphic novel.
- an enthusiasm to widen your reading and writing repertoire.
- a certificate of attendance.
- 

### Students should bring:

- Writing equipment
- Drawing/colouring equipment
- Notebook
- Water bottle
- Suitable clothing/footwear for outdoor breaks

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 5/6 pupils – Venture into Space

Date of course	Times	Venue	Cost	Max. places	Subject
Tuesday 21 <sup>st</sup> November 2023	9.30am - 3.30pm	Braeside Education Centre	£60	16	Science AGAT

### Course details

Are you curious about what you see in the night sky? Why does the Moon look different every time you see it and why do the stars appear to move? Do you fancy holding a real meteorite and having the opportunity to look through a professional telescope? This exciting course introduces pupils to the fundamentals of astronomy and ventures into deep space.

The Earth is bombarded daily by pieces of space debris – most burn up in our atmosphere and appear as “shooting stars”, but a few are large enough to land. We will be bringing a huge piece of the Campo del Cielo meteorite that crashed into the Earth over 4500 years ago! Students will have the chance to examine the meteorite and use a special observatory-grade telescope to view the Sun as it will be daylight. There will also be tips on how to observe the night sky for when you are back at home.

### Guidance criteria for identifying participants:

- Pupils should have an interest in space and an enquiring mind.
- Pupils will need to be able to work confidently, both individually and in small groups.
- Pupils must want to share the academic and practical challenges of the course – and the fun!

### Course Tutor

**Adrian Dening** has over thirty-five years' experience in delivering science courses for Able, Gifted and Talented students. He offers a wide range of topics exploring electronics, ICT, space science and even spying! He is a keen Amateur Radio enthusiast and astronomer. Adrian is an Approved Driving Instructor and member of the Chartered Institute of Personnel and Development. He is the Technical and Training Director of Radio Ninesprings, a local community radio station and produces a weekly astronomy program for them. His AGAT courses are challenging, with a balance between theory at a high academic level and fun practical exercises to consolidate what has been learnt. The courses involve a mix of individual and group activities and students are actively encouraged to explore different learning styles, take responsibility for their own time management, and think “outside the box”. A full portfolio of Adrian's courses is available at <http://www.AdrianDening.com>

### As a result of attending the course you will have:

- A greater understanding of the planets in our Solar System.
- Made detailed observations of the Sun.
- Understand the relationship between Earth and its moon.
- Enjoyed new challenges and shared your knowledge with new like-minded friends.

### Students should bring:

- Pencils / pencil case
- Water bottle
- Clothes suitable for outdoor break times

**Lunch and refreshments are provided.  
School uniform is not required. No mobile phones.**

## Year 5/6 pupils – The Science of Winter

Date of course	Times	Venue	Cost	Max. places	Subject
Friday 24 <sup>th</sup> November 2023	9.30am – 3.30pm	Braeside Education Centre	£60	16	Science AGAT

### Course details

Have you ever questioned why, how, or wondered about: -

What is Winter? Does it happen everywhere and is it the same in all places?

How do living things survive Winter, especially the cold?

What is the meaning of 'cold', 'dark', 'freezing' in life, and in science?

Is Winter 'good' or 'bad'?

Then, **this** course **is** for you!

On this course you will discover more about the season 'Winter' and deepen your understanding of temperature, seasons, climate and living things.

You will be challenged by the consequences of, and explore low temperatures and the effects of the 'cold'

### Guidance criteria for identifying participants:

- Should have enquiring minds and a desire to explore.
- Should enjoy science and question their surroundings, experiences, and theories.
- Should be able to work independently, and in groups, developing their ideas.

### Course Tutor

Peter Sainsbury has taught both in KS1 and KS2 in a variety of Middle and Primary schools. Throughout his thirty-five years in education, including two Deputy Headships and two Acting Headships, he has been able to pursue his interests in science, leadership, and classroom practice. In 2012, he was delighted to receive the National Primary Teaching Award from the Institute of Physics (IOP), and, in 2022, to become a Fellow of the Royal Microscopical Society. As a Fellow of the Primary Science Teaching Trust and, currently, advisor to its Cluster Programme (collaborative networks of schools), Peter has thoroughly enjoyed expanding his science outreach nationally.

### As a result of attending the course you will have:

- Discover more about the season of Winter.
- Deepen your understanding of temperature, seasons, climate and living things.
- Be challenged by the consequences of, and explore, low temperatures and the effects of the 'cold'

### Students should bring:

- Pens, pencil, or pencil case
- Water bottle
- Clothing you don't mind getting messy.
- Outdoor clothing

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 5/6 pupils – Write Your Own Adventure

Date of course	Times	Venue	Cost	Max. places	Subject
Friday 1 <sup>st</sup> December 2023	9.30am – 3.30pm	Braeside Education Centre	£60	16	Literacy AGAT

### Course details

This creative, practical day will explore how real life can inspire the most fantastical of stories. Starting from situations and locations familiar to the young writers, we will add a dollop of magic and adventure. If an everyday wardrobe can lead to Narnia, where will the objects in their own lives take the students? Pupils will have the opportunity to work with, learn from and be given advice on their writing by an experienced author.

### Guidance criteria for identifying participants:

- Pupils should be able to sustain their focus on writing.
- Pupils should enjoy using their imagination.
- Pupils should have an interest in writing for fun.
- Pupils should have the ability to work in groups and independently.

### Course tutor

**Dr Elen Caldecott** is a successful, award-winning author for children and young people who has published over forty titles with publishers such as Oxford Uni Press and Bloomsbury. Her novel *Operation Eiffel Tower* was inspired by her own childhood experiences, plus a little wish-fulfilment. As well as writing drama, she writes detective fiction and fantasy fiction. She is a Lecturer in Creative Writing at Lancaster University. She enjoys reading and walking her dog along the South West's beaches.

### As a result of attending the course you will have:

- Practised fantasy writing: creating fantastical worlds.
- Had an opportunity to write and edit a brand-new piece of work.
- Shared that piece with an audience of peers.
- Practised life writing: observing and reflecting on their own environment.
- Been given advice on their writing by an experienced author.
- Had fun!

### Further reading

There are many books that blend real life and fantasy. You may enjoy some of these:

- *Tom's Midnight Garden* by Philippa Pearce
- *Harry Potter and the Philosopher's Stone* by J.K. Rowling
- *The Many Worlds of Albie Bright* by Christopher Edge

### Students should bring:

- A notebook or notepad and pen
- Water bottle
- Clothing suitable for outdoor breaks

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**



## Year 5/6 pupils – Digital Illustration; Festive Art

Date of course	Times	Venue	Cost	Max. places	Subject
Saturday 9 <sup>th</sup> December 2023	9.15am – 3.30pm	Braeside Education Centre	£60	12	ICT/Art AGAT E

### Course details

Learn the skills and techniques of digital illustration on this festive art course! You will use the latest digital illustration equipment to create a beautiful Christmas-themed picture. We will learn about layers, masks, colour theory and multimedia techniques while we create a stunning illustration. Learn to sketch your initial idea, add layers of detail, choose complementary colours, and even use specialised lighting effects to bring your illustration to life! You will be so proud of your finished artwork, and the best bit is that you can take home a framed copy to hang on your wall!

### Guidance criteria for identifying participants:

- Pupils should:
- Be passionate about art and design.
- Be prepared to push themselves and learn a challenging new skill.
- Be prepared to work collaboratively.
- Be ready to express their creativity.

### As a result of attending the course you will have:

- Learned some of the fundamental techniques of digital illustration such as layers, masks, and textures.
- Created a unique illustration that you can take home at the end of the session.
- Learned and applied some composition skills.
- Developed an understanding of colour palettes and colour theory.

### Course tutor

Oliver Daltrey is a teacher with over 15 years' experience. He is also a freelance illustrator, who creates personalised artwork for a range of clients, using digital illustration techniques. Oliver is passionate about helping people discover and develop their natural creativity.

### Students should bring:

- Any examples of artwork for inspiration (this could be from your favourite illustrator).
- A pencil case with a range of drawing and colouring equipment
- Water bottle
- Suitable clothing for outdoor breaks

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 5/6 pupils – Christmas Maths

Date of course	Times	Venue	Cost	Max. places	Subject
Saturday 9 <sup>th</sup> December 2023	9.00am – 3.00pm	Braeside Education Centre	£60	18	Numeracy AGAT

### Course details

Come along for a day of Maths inspired by Christmas! Pupils will experience a variety of learning activities to challenge and extend their mathematical problem-solving skills. They will investigate maths in various Christmas contexts and take part in practical problem-solving activities. Children will work independently as well as working in groups to solve puzzles and problems using number and geometry.

### Guidance Criteria for Identifying Participants:

- Enjoyment of mathematics
- Good mathematicians
- An ability to work in groups and independently.
- Show a curiosity of the world around them.
- An ability to explain their problem-solving skills and record their methods.

### Course tutor

**Hannah Crook** is a primary school teacher in Salisbury with a particular interest and enthusiasm for mathematics. She is keen for children broaden and apply their mathematical skills in a variety of situations where they are challenged and need to do some 'deep-sea' thinking. Hannah completed the MaST (Mathematics Specialist Teaching Programme) with the University of Winchester, and she has a MA in Learning and Knowledge Technology from Bath Spa University.

### As a result of attending the course you will have:

- Enjoyed yourself!
- Enriched your knowledge of mathematics.
- Developed your problems solving skills.
- Developed your ability to explain methods and strategies used.

### What you will take away with you:

- New knowledge and methods of thinking
- A certificate of attendance

### Students should bring:

- Pen/Pencil
- Notepad
- Water bottle
- Coat
- Suitable clothing for outdoor breaks

**Lunch & refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 5/6 pupils – Lego Spike Robotics Challenge

Date of course	Times	Venue	Cost	Max. places	Subject
Thursday 11 <sup>th</sup> January 2024	9.30am – 4.30pm	Braeside Education Centre	£60	16	Science AGAT

### Course details

The course will use the latest Lego Spike Robotics kit which includes the most up to date equipment and technology to build and program an autonomous robot to undertake a series of fun missions on a specially designed mat. Pupils will initially have a few icebreakers and then will begin to develop creative problem solving and team working skills as well as improving their knowledge of programming and control. Pupils will compete in teams against other teams.

### Guidance criteria for identifying participants:

- Pupils should be willing to try out new things.
- Pupils must be prepared to invent new ways to solve technical problems.
- Pupils should have the ability to work in groups and independently.

### Course tutor

**John Trickett** is Director of Wessex SETPOINT with extensive experience of working with schools on problem solving and team building activities. As the organiser of the Wessex Region *FIRST*<sup>®</sup> LEGO<sup>®</sup> League Robotics competition at HP Bristol he recruits 40 – 60 schools annually for this competition. School teams respond to the challenge with creativity and imagination. All Wessex SETPOINT activities require students to work in teams, be creative and solve problems. The emphasis is on experiential learning, that is, learning by doing, so learning is enjoyable and fun.

### As a result of attending the course you will have:

- Enjoyed yourself.
- Learnt more about yourself as a designer, maker, and technical problem solver.
- Been surprised how good you are at solving problems.
- Been able to adjust to an unfamiliar situation and work independently and within a team.
- Gained knowledge of programming and computer control of autonomous robots

### What you will take away with you:

- A sense of achievement
- A certificate of attendance
- Able to show you can solve technical problems creatively and work well in a team.

### Students should bring:

- Pens, pencils, and a notepad
- Water bottle
- Suitable clothing for outside breaktimes

**Lunch and refreshments are provided.  
School uniform not required. No mobile phones.**

## Year 5/6 pupils – Globe-trotter Maths

Date of course	Times	Venue	Cost	Max. places	Subject
Saturday 13 <sup>th</sup> January 2024	9.00am – 3.00pm	Braeside Education Centre	£60	18	Numeracy AGAT

### Course details

Pack your bag ready for a mathematical adventure! The pupils will experience a variety of learning activities to explore mathematics around the world and challenge their thinking. They will look at a variety of problems as well as learn about mathematicians from different countries. Children will work independently as well as working in groups to solve puzzles.

### Guidance criteria for identifying participants:

- Enjoyment of mathematics
- Good mathematicians
- An ability to work in groups and independently.
- Show a curiosity of the world around them.
- An ability to explain their problem-solving skills and record their methods.

### Course tutor

**Hannah Crook** is a primary school teacher in Salisbury with a particular interest and enthusiasm for mathematics. She is keen for children broaden and apply their mathematical skills in a variety of situations where they are challenged and need to do some 'deep-sea' thinking. Hannah completed the MaST (Mathematics Specialist Teaching Programme) with the University of Winchester, and she has a MA in Learning and Knowledge Technology from Bath Spa University.

### As a result of attending the course you will have:

- Enjoyed yourself!
- Enriched your knowledge of mathematics.
- Developed your problems solving skills.
- Developed your ability to explain methods and strategies used.

### What you will take away with you:

- New knowledge and methods of thinking
- Certificate of attendance

### Students should bring:

- Pen/pencil
- Notepad
- Water bottle

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 5/6 pupils – High Tech Spies

Dates of course	Times	Venue	Cost	Max. places	Subject
Wednesday 17 <sup>th</sup> January 2024	9.30am – 3.00pm	Braeside Education Centre	£60	16	Science AGAT

### Course details

A popular day course featuring an exciting mix of espionage, radio, bugs, and lots of fun! The day begins with an exploration into the history of spying and the mysterious world of codes and ciphers. Students will become an expert at understanding encryption techniques – the different ways of scrambling a message so that it can only be understood by the intended recipient.....or can it? Then we will look at secret radio transmissions and learn how messages can be sent to a spy operating on a covert mission. The course concludes with all our newly trained MI99 field agents experimenting with a selection of radio bugs to eavesdrop on other parts of the building.

### Guidance criteria for identifying participants:

- Pupils should have an interest in physics and an enquiring mind.
- Pupils will need to be able to work confidently, both individually and in small groups.
- Pupils must show the aptitude to translate theory into a practical application.
- Pupils must want to share the academic and practical challenges of the course – and the fun!

### Course tutor

**Adrian Dening** has over thirty-five years' experience in delivering science courses for Able, Gifted and Talented students. He offers a wide range of topics exploring electronics, ICT, space science and even spying! He is a keen Amateur Radio enthusiast and astronomer. Adrian is an Approved Driving Instructor and member of the Chartered Institute of Personnel and Development. He is the Technical and Training Director of Radio Ninesprings, a local community radio station and produces a weekly astronomy program for them. His G&T courses are challenging, with a balance between theory at a high academic level and fun practical exercises to consolidate what has been learnt. The courses involve a mix of individual and group activities and students are actively encouraged to explore different learning styles, take responsibility for their own time management, and think "outside the box." A full portfolio of Adrian's courses is available at <http://www.AdrianDening.com>

### As a result of attending the course you will have:

- A greater understanding of communications technology and cryptography.
- Worked successfully in a group with your peers, experiencing leadership and negotiation skills.
- Been responsible for accuracy in the use of radio communications and code breaking.
- Enjoyed new challenges and shared your knowledge with new like-minded friends.

### Students should bring:

- Pencils / pencil case
- Water bottle
- Clothes suitable for outdoor play

**Lunch and refreshments will be provided.**

**School uniform is not required. No mobile phones.**

## Years 5/6 pupils – Scalextric Science Lab

Date of course	Times	Venue	Cost	Max. places	Subject
Friday 19 <sup>th</sup> January 2024	9.30am – 3.30pm	Braeside Education Centre	£60	16	Science AGAT

### Course details

Formula 1 racing meets the classroom on this action-packed and educational course. OK.....let's be honest for a moment.....you are going to have a great time playing with Scalextric, but at the same time conducting an exploration into maths and physics. A large Scalextric layout provides the opportunity to learn first-hand about the role that the electronics play. How do you keep the cars on the track – is it driving skill or physics? Are you up for the challenge to take 1st place in the Braeside Grand Prix?

### Guidance criteria for identifying participants:

- Pupils should have an interest in physics and an enquiring mind.
- Pupils will need to be able to work confidently, both individually and in small groups.
- Pupils must show the aptitude to translate theory into a practical application.
- Pupils must want to share the academic and practical challenges of the course – and the fun!

### Course tutor

**Adrian Dening** has over thirty-five years' experience in delivering science courses for Able, Gifted and Talented students. He offers a wide range of topics exploring electronics, ICT, space science and even spying! He is a keen Amateur Radio enthusiast and astronomer. Adrian is an Approved Driving Instructor and member of the Chartered Institute of Personnel and Development. He is the Technical and Training Director of Radio Ninesprings, a local community radio station and produces a weekly astronomy program for them. His AGAT courses are challenging, with a balance between theory at a high academic level and fun practical exercises to consolidate what has been learnt. The courses involve a mix of individual and group activities and students are actively encouraged to explore different learning styles, take responsibility for their own time management, and think "outside the box". A full portfolio of Adrian's courses is available at <http://www.AdrianDening.com>

### As a result of attending the course you will have:

- A greater understanding of physics and electronics.
- Worked successfully in a group with your peers.
- Enjoyed new challenges and shared your knowledge with new like-minded friends.

### Students should bring:

- Pencils / pencil case
- Water bottle
- Clothes suitable for outdoor play

**Lunch and refreshments will be provided.**

**School uniform is not required. No mobile phones.**

## Year 5/6 pupils – Heroes and Monsters

Date of course	Times	Venue	Cost	Max. places	Subject
Thursday 25 <sup>th</sup> January 2024	9.30am – 3.30pm	Braeside Education Centre	£60	16	Literacy AGAT

### Course details

This course will inspire young writers to create their own heroes and monsters based on ancient myths and legends. From Percy Jackson to Marvel's Thor, myths have given us some of our most exciting stories. Over the course of the day, students will invent their own hero and write adventures starring their new character. They will invent monsters who will throw obstacles in their hero's path. Students will be introduced to some of the fundamental principles of storytelling which have stood the test of time and use them effectively in their own unique tales.

Pupils will have the opportunity to work with, learn from and be given advice on their writing by an experienced author.

### Guidance criteria for identifying participants:

Pupils should:

- be able to write for a sustained length of time, up to fifteen minutes at a time.
- enjoy writing for pleasure.
- have an interest in books/graphic novels and reading.
- have the ability to work in groups and independently.

### Course Tutor

**Dr Elen Caldecott** is a successful, award-winning author for children and young people who has published over forty titles with publishers such as Oxford Uni Press and Bloomsbury. Her recent novel *The Blackthorn Branch* is a magical adventure inspired by the Celtic Mythology of her native Wales. As well as writing fantasies, she also writes detective fiction and contemporary drama. She is a Lecturer in Creative Writing at Lancaster University. She enjoys reading and walking her dog along the South West's beaches.

### As a result of attending the course you will have:

- Practised writing adventurous stories
- Used myths and legends to inspire a story.
- Had an opportunity to write and edit a brand-new piece of work.
- Shared that piece with an audience of peers.
- Practised story structures: inciting incidents, obstacles, twists
- Been given advice on their writing by an experienced author.
- Had fun!

### Students should bring:

- Pencils/pens/paper
- Water bottle
- Appropriate clothing for outdoor breaktimes

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 5/6 pupils – Digital Illustration; Bring your favourite story scene to life

Date of course	Times	Venue	Cost	Max. places	Subject
Saturday 27 <sup>th</sup> January 2024	9.30am – 3.30pm	Braeside Education Centre	£60	12	ICT/Art AGAT E

### Course details

Learn the latest digital illustration techniques as you bring a favourite story scene to life! On this course you will learn how to use layers, colours, textures, and masks to create a stunning digital illustration, based on a scene from one of your favourite books. You will use state-of-the-art digital illustration software (as well as more traditional techniques) to make an amazing picture that you can take away with you at the end of the day!

### Guidance criteria for identifying participants:

- Pupils should:
- Be passionate about art and design.
- Be prepared to push themselves and learn a challenging new skill.
- Be prepared to work both independently and collaboratively.
- Be ready to express their creativity.

### As a result of attending the course you will have:

- Learned some of the fundamental techniques of digital illustration such as layers, masks, and textures.
- Created a unique illustration that you can take home at the end of the session.
- Learned and applied some composition skills.
- Developed an understanding of colour palettes and colour theory.

### Course tutor

Oliver Daltrey is a teacher with over 15 years' experience. He is also a freelance illustrator, who creates personalised artwork for a range of clients, using digital illustration techniques. Oliver is passionate about helping people discover and develop their natural creativity.

### Students should bring:

- Favourite book with a scene that they would like to illustrate.
- Water bottle.
- A pencil case with a range of drawing and colouring equipment
- Suitable clothing for outdoor breaks

**Lunch and refreshments are provided.  
School uniform is not required. No mobile phones.**



## Year 5/6 pupils – Stars of Mathematics

Date of course	Times	Venue	Cost	Max. places	Subject
Saturday 27 <sup>th</sup> January 2024	9.00am – 3.00pm	Braeside Education Centre	£60	18	Numeracy AGAT

### Course details

Who's Ada Lovelace? Who is the 'Father of Geometry'? Who invented algebra?

Let's find out!

On this course, the pupils will experience a variety of learning activities inspired by the discoveries of famous mathematicians from the past. Pupils will experience a range of problem-solving activities from all areas of mathematics.

The course will include working independently as well as working in groups, to solve puzzles.

### Guidance criteria for identifying participants:

- Enjoyment of mathematics
- Good mathematicians
- An ability to work in groups and independently.
- Show a curiosity of the world around them.
- An ability to explain their problem-solving skills and record their methods.

### Course tutor

**Hannah Crook** is a primary school teacher in Salisbury with a particular interest and enthusiasm for mathematics. She is keen for children broaden and apply their mathematical skills in a variety of situations where they are challenged and need to do some 'deep-sea' thinking. Hannah completed the MaST (Mathematics Specialist Teaching Programme) with the University of Winchester, and she has a MA in Learning and Knowledge Technology from Bath Spa University.

### As a result of attending the course you will have:

- Enjoyed yourself!
- Enriched your knowledge of mathematics.
- Developed your problems solving skills.
- Developed your ability to explain methods and strategies used.

### What you will take away with you:

- New knowledge and methods of thinking
- Certificate of attendance

### Students should bring:

- Pen/pencil
- Notepad
- Water bottle
- Suitable clothing for outdoor breaks

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

## Year 5/6 pupils – Chemistry Day: Solids, Liquids and Gases

Date of course	Times	Venue	Cost	Max. places	Subject
Friday 2 <sup>nd</sup> February 2024	9.30am – 3.30pm	Braeside Education Centre	£60	16	Science AGAT

### Course details

Exploring the realms of chemistry helps us understand the materials that form the world we live in, their characteristics and properties, how substances react together and the different states of matter. All vital to our existence and survival, and, wonderfully exciting to investigate. The course enables children to develop their scientific experiences and understanding. As scientists, they will be engaged by hands on, practical, activities and develop their thinking by considering theories and models. Together, we shall \*build solid foundations of knowledge, \*let our imaginations flow and our enthusiasm bubble over!

### Guidance criteria for identifying participants:

- Have enquiring minds and a desire to explore.
- Enjoy science and question their surroundings, experiences, and theories.
- Be able to work sensibly, independently and in groups, developing their ideas.

### Course tutor

**Peter Sainsbury** has taught both KS1 and KS2 in a variety of Middle and Primary schools. Throughout his thirty years in education, including two Deputy Headships and two Acting Headships, he has been able to pursue his interests in science, leadership, and classroom practice. In 2012 he was delighted to receive the National Primary Teaching Award from the Institute of Physics (IOP). A Fellow of the Primary Science Teaching College, Peter has expanded his science outreach nationally and is currently working part time at Winterbourne Earls C of E Primary School, Salisbury and with the Primary Science Teaching Trust as Advisor for their Cluster Programme.

### As a result of attending the course you will have:

- Discover more about materials and their properties.
- Deepen your understanding of solids, liquids, and gases (including changes of state).
- Be challenged by elements, atoms, and molecules, thinking through how materials are constructed.

### You will also:

- Discover the 'delights and mysteries' of gases by exploring carbon dioxide.
- Use a variety of everyday items to expand your understanding of chemistry.
- Apply your brain power as you grapple with scientific models to explain ideas and theories.

### Students should bring:

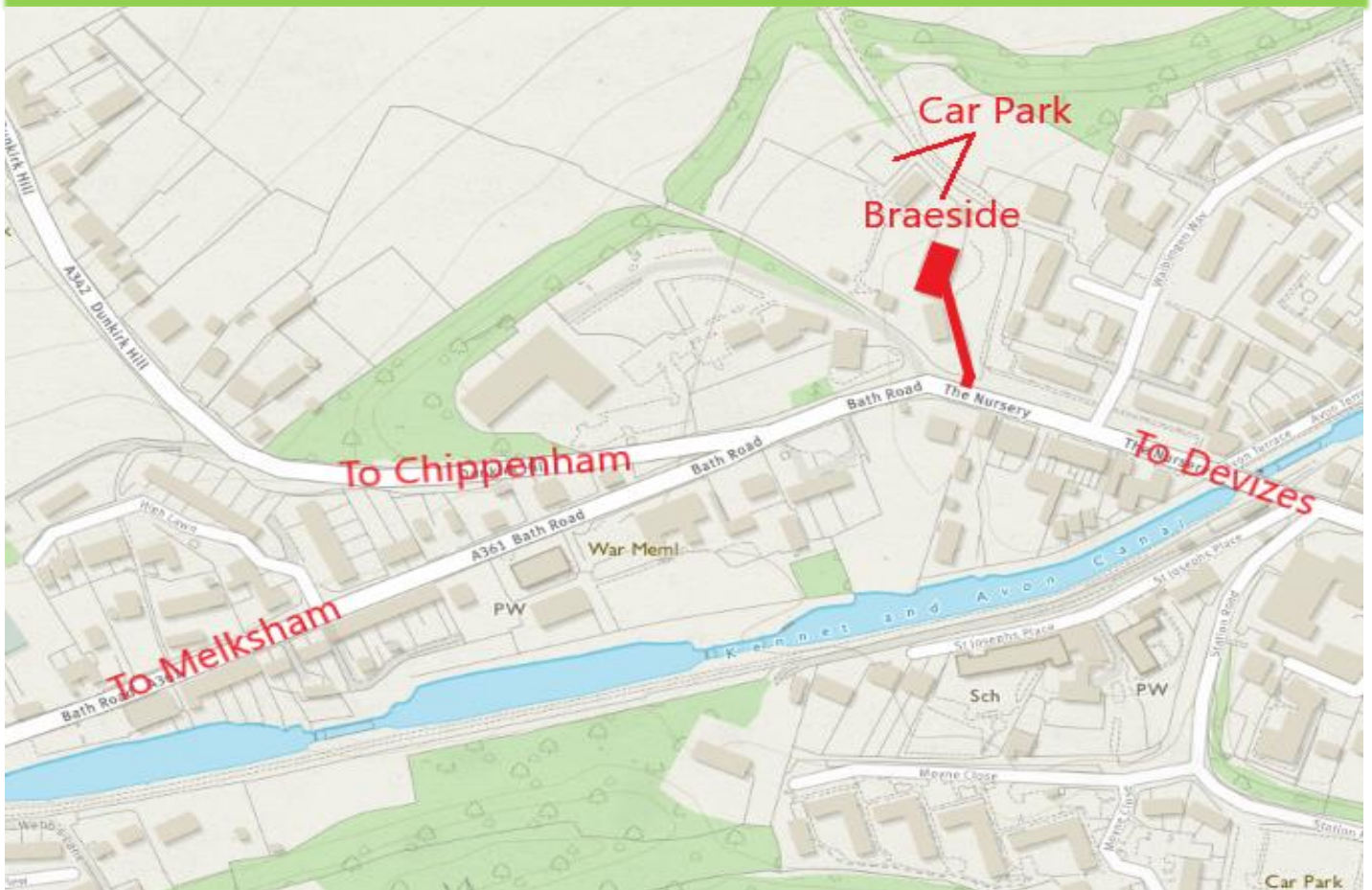
- Pens, pencil, or pencil case
- Water bottle
- Clothing you don't mind getting messy.
- Outdoor clothing

**Lunch and refreshments are provided.**

**School uniform is not required. No mobile phones.**

# Directions to Braeside Education Centre

Sat nav or Google maps Postcode  
SN10 2AF



Braeside Education Centre  
Bath Road  
Devizes  
SN10 2AP  
01380 722637  
[www.braeside-education.co.uk](http://www.braeside-education.co.uk)



**Braeside Education  
Centre**