



Traditional values with an innovative approach

The first new secondary school in Harpenden for 50 years, we offer traditional academic values with an innovative approach. We will achieve this through sharing the expertise and outstanding practice at Roundwood Park School, St George's School and Sir John Lawes School and by building on the public confidence they have gained through generations of student achievement.



DEVELOPING STUDENTS TO THRIVE IN A CHANGING WORLD

The Katherine Warington School is a comprehensive, co-educational and non-denominational academic secondary school.

The Katherine Warington School will open in September 2019. We will accept up to 180 Year 7 students. The school will add 180 further students in each subsequent year and then open a 250-strong Sixth Form. By 2025 we will have grown to our capacity of 1150 students.

The school is established through the partnership of the three outstanding secondary schools in Harpenden: Roundwood Park, St George's and Sir John Lawes and additional partners - the University of Hertfordshire and Rothamsted Research Centre. The three secondary schools proposed a new school in response to the overwhelming need for another Harpenden secondary school providing high quality education for young people within their local community.

The Katherine Warington School will be a modern school with traditional core values. Central to our vision for the school is the shared belief that young people have the right to a transformational educational experience that will enable them to fulfil their potential and realise their ambitions. Our school will establish a culture that fosters and rewards success, inspires learning and engenders a shared belief amongst all members of the school community that nothing is impossible if it will improve learners' life chances. We aim to provide the highest quality teaching and learning to meet the needs and expectations of the Harpenden community. We want our students to be fully fledged members and leaders of our democratic society - ready, when they leave us as young adults, to make their mark on the world.



The founding Headteacher, Tony Smith, has already begun work in his new role. He was Deputy Headteacher at Roundwood Park School where he had been teaching for the last eleven years as an Economics specialist. Driving excellence in education by establishing the best structures to enable staff to deliver an enriching teaching experience and for students to thrive in a nurturing learning environment has been fundamental to the classroom and whole school work Tony has undertaken. He contributed to the initial proposal to establish a new secondary school in Harpenden and has worked part time as project manager for the Trust since 2015. Tony is a graduate of the London School of Economics, has a Master's degree in Business Administration and is a Fellow of the Royal Society of Arts. As well as currently teaching in Harpenden, Tony is assisting at a new secondary school in north London, with a Yr 7 intake in temporary accommodation.



The **Katherine Warington School** will be at the heart of its community, working closely with its neighbours to improve the educational outcomes for all Harpenden young people. It will work in partnership with local Harpenden primary schools, alongside the three existing Harpenden secondary schools. It will be part of the St Albans and Harpenden Secondary School Headteachers' Association (STASSH) and the Hertfordshire Secondary School Headteachers' Association (HASSH). As part of the Alban Teaching School Alliance it will be able to access high quality CPD and support for staff and through the Alban Federation will be able to train and develop its own teachers. Through forming strong links with these groups and others, the school will be able to quickly establish itself as a centre of educational excellence and a school of choice for the local community.

The ethos of our school will focus on enabling every student to make outstanding progress whatever their starting point and will be achieved by:

- a relentless focus on improving standards of teaching and learning;
- an innovative and flexible curriculum which enables learners to follow individualised pathways, stretching the most able and also providing more appropriate opportunities (such as work-related learning and college placements) for those who prefer a more vocational route;
- developing a strong student voice so that learners are involved in the transformational process;
- developing the inclusion agenda by providing high quality provision for learners who struggle to access a mainstream curriculum;
- a high quality and creative programme of CPD for staff which will improve learner experience and also contribute to staff recruitment and retention;
- creating a staffing structure that allows senior leaders to focus their time on strategic issues;
- drawing on the expertise of the proposers to support the new school as it grows and to broaden the opportunities available to all students in the early years of the school;
- working in partnership with all members of the local community, both educational and wider.

CURRICULUM-ACHIEVEMENT

Within the framework of the national curriculum our school will develop an inclusive and personalised school curriculum that is designed around each student.

The curriculum at the **Katherine Warington School** will be based upon the traditional academic values and best practice of the existing three schools. This wealth of expertise will be shared and built upon to provide the best possible inclusive education for each child. It will be a curriculum of learning that will enable them to attain and to progress through the school and beyond. The involvement of the University of Hertfordshire and Rothamsted Research will enrich and underpin the curriculum offered by the new school, by providing close links with higher education and the professional research community.

Key Stage 3 will run for two years and in Year 8 students will select up to 9 GCSE subjects to study through Years 9, 10 and 11 (Key Stage 4). At A Level the school will offer a broad choice of subjects suitable for further education, apprenticeship and employment.

There will be six 50 minute lessons each day (Monday-Thursday) and five 50 minute lessons on Fridays.

The design and layout of the new build school has translated curriculum aspirations into physical reality with science, technology, engineering and mathematics located adjacent to each other, with technology-rich classrooms in all subject areas. Functionality, space and light have been specifically considered for art, photography and technology. Our school will provide an exciting, dynamic, and inspiring environment that will utilise the latest technology and augmented reality to drive teaching and learning. The school environment will foster a collaborative and caring community of learners, who are proud of their school, and know the pride their school has in them. Underpinning this will be a traditional school uniform that students will wear to identify them as part of Katherine Warington School.

Students in all years will sit end of year exams from Year 7 onwards.



Across any week students' study time will be allocated as follows in Year 7:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
En	En	En	En	Ma	Ma	Ma	Ma	Sc	Sc	Sc	Sc	MFL1	MFL1	MFL2

16	17	18	19	20	21	22	23	24	25	26	27	28	29
PE	PE	Dr	Mu	Ar	Hi	Hi	Gg	Gg	RE	PSHCE	Com	DT	DT

On Fridays we will finish at 2.30pm and there will be five periods, instead of six, making the week a 29 teaching period week. On Fridays after lunch there will be a rotation of assemblies to include celebrations, House, student-led well-being, PSHCE, as well as student-led presentations.

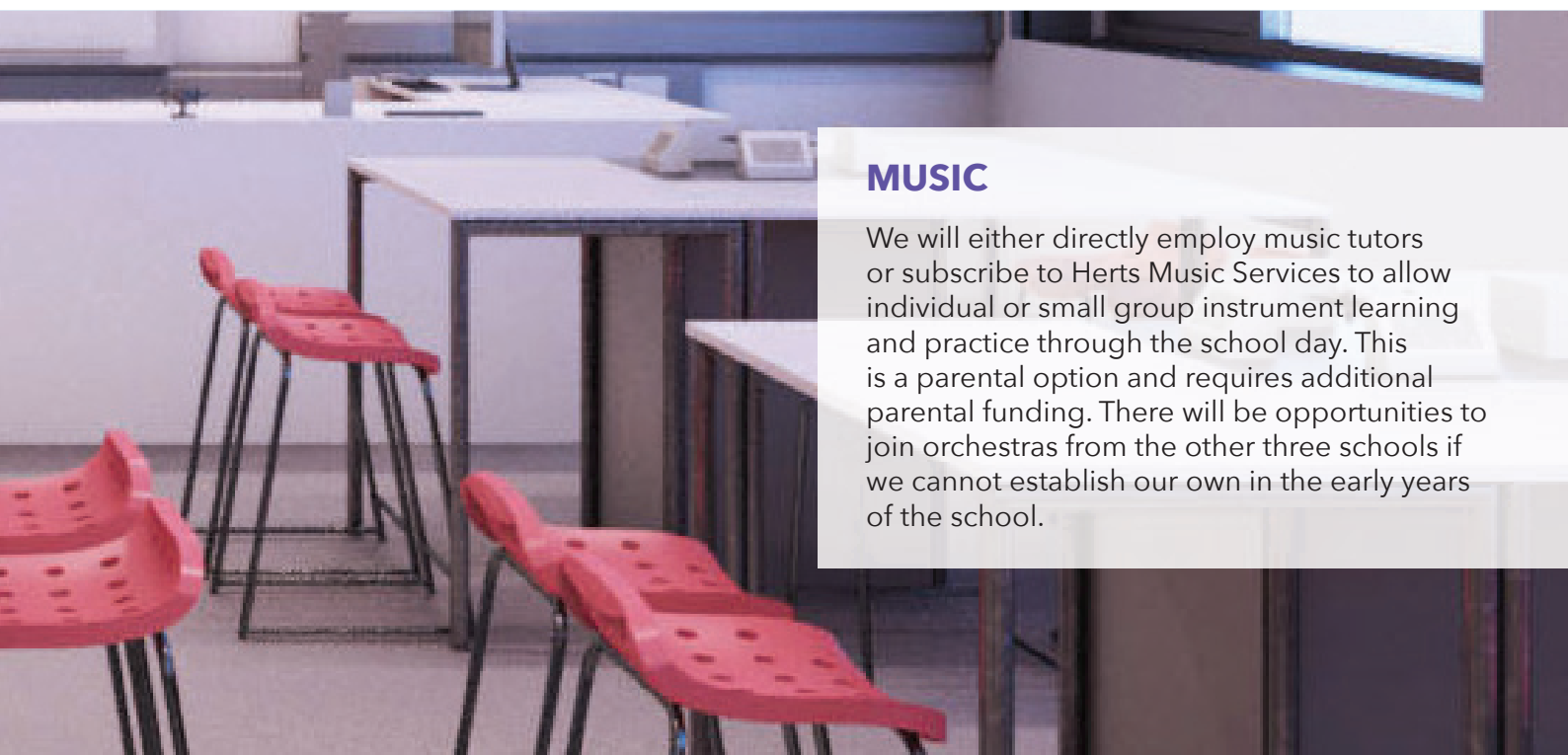
KEY:		
En = English	Dr = Drama	RE = Religious Education
Ma = Maths	Mu = Music	PSHCE = Personal, Social, Health and Citizenship Education
Sc = Science	Ar = Art	Com = Computing
MFL = Modern Foreign Languages (Spanish/Mandarin)	Hi = History	DT = Design and Technology
PE = Physical Education	Gg = Geography	

Comparisons with DfE recommendations

Core Subject	Time per week	
	DfE recommendations	KWS year 7 curriculum
English	3 hours	3 hours 20 mins
Mathematics	3 hours	3 hours 20 mins
Science	3 hours	3 hours 20 mins

The curriculum will improve attainment and progress by:

- allowing learners to find the most appropriate pathway through which to fulfil their potential;
- introducing a 'stage not age' approach;
- setting challenging targets but providing a regime of supportive monitoring to enable progress;
- using state-of-the-art technology to develop the personalised learning curriculum.



MUSIC

We will either directly employ music tutors or subscribe to Herts Music Services to allow individual or small group instrument learning and practice through the school day. This is a parental option and requires additional parental funding. There will be opportunities to join orchestras from the other three schools if we cannot establish our own in the early years of the school.

STAFF

The Katherine Warrington School will begin recruiting staff from January 2019 to start in September. It is anticipated that the first three appointments will be the Heads of English, maths and science who will join the founding Headteacher as part of the school leadership team. The school intends to be a member of the Alban Teaching School Alliance, an alliance of 12 local secondary schools working together to improve staff recruitment and development, from the outset. We will recruit and develop the best staff to build an excellent teaching team for your child, dedicated to ensuring every student realises their potential, no matter what their starting point. Equally important will be the recruitment of a suitably qualified high-calibre support staff who share the highest aspirations for your child. The new school offers unique enhanced career progression for ambitious and dedicated professionals who seek to work in a dynamic educational environment in Harpenden.

Our school has been designed to provide an exciting and inspiring environment that will utilise the latest technology to drive teaching and learning. The school environment will foster a collaborative and caring community of learners, who are proud of their school, and know the pride their school has in them.

COMPASSION

From the outset, Katherine Warrington School will commit to providing high quality special needs education and resources for those who require extra support to enable them to fully access and benefit from being part of our learning community. We will seek to recruit an experienced Special Educational Needs Co-ordinator to design and establish individual detailed provision from the outset.

BEHAVIOUR

Our school will set the highest standards and expectations for behaviour for adults and students alike. We will not compromise on a fundamental belief that good behaviour is essential for productive learning and in developing young people to become responsible and valued members of the local and wider community. The school will focus on developing positive learner dispositions to support achievement. Underpinning this will be a traditional school uniform that students will wear with pride as it will identify them as part of the new school. All staff will work tirelessly to help our young people become well-rounded, positive and responsible members of society with a resilient disposition and a healthy attitude to challenge. Rewarding good learning behaviour will be the primary focus of our behaviour system; consequences for making poor decisions will be proportionate, clearly communicated and enforced without exception. This will be underpinned by our focus to remedy, restore and reintegrate students who continually make poor choices.

Katherine Warrington School will ensure that all students gain not just an academic education of the highest standard, but a genuine enthusiasm for learning and widening experiences and learn the essential life skills that a modern complex society demands if a young person is to live a happy and productive life, and achieve social, emotional and economic well-being.

PERSONAL AND SOCIAL DEVELOPMENT

There will be a continuous programme of Personal, Social, Health and Citizenship Education (PSHCE) throughout a student's time at our school, linked in with a fully developed and effective pastoral care system. As a priority, we will aim to develop emotional resilience in students and their families so that they all know they can succeed, even in the face of adversity. A proactive and professional career support programme, designed to prepare students for their next steps, will be provided, with specialist advice for all students at key stages in their development.



STUDENT LEADERSHIP/HOUSE SYSTEM

Katherine Warrington School will develop a House system that provides an element of friendly competition and collective pride in achievement and success.

The school recognises that competition is an essential part of a child's development and the House system will provide a wide range of opportunities and activities from sports to academic and creative arenas designed to encourage all students to stretch and challenge themselves as part of a larger team.

PEER INTERACTION

There are currently approximately 15 shared events amongst the existing secondary schools to promote inter-year and inter-school activity. We will fully participate in these. We have, in addition, agreed that our budding jazz, orchestra and vocal musicians can join, practice and participate in the music events from our neighbouring secondary schools.

In return we will be welcoming student sports leaders from GCSE classes from Sir John Lawes, Roundwood Park and St George's as well as offering our state of the art drama and science facilities.

Our **STAGE NOT AGE** programme will extend to maths challenges, chess club, debating society etc where we will compete with and against other local students of various ages.

PASTORAL CARE

The extensive experience and best practice of the existing three schools will be fully utilised to ensure every child at Katherine Warrington School is part of a caring and supportive community.

No child will be left out or left behind. All staff will have pastoral responsibilities and tutor teams will work closely with senior leadership and support specialists to provide a continual and pro-active pastoral care system that values every child and builds strong supportive links with families.

TECHNOLOGY

The Katherine Warrington School will be wi-fi enabled throughout. We will embrace Bring Your Own Device so every student in every lesson has the ability to use the internet to enhance their learning. This will be supervised by the teacher and all teachers, controlling their own teaching space, can choose when/if to embrace web access during lessons. Devices will not be used outside the classroom, during the school day. Filtering systems will prevent students accessing non-learning social media sites during the school day.

Specialist software and virtual and augmented reality will be utilised to enhance learning in CAD/CAM design (aligned to laser cutting and 3D printing), music programming, art, photography, computer studies and more.

We have appointed our IT development partner. Our proposition includes the provision of a personal device for all students starting in September 2019. Students would then use the device for both school and home learning.

PARENTS AND WIDER COMMUNITY TRUST

The three existing schools have outstanding links with parents, carers and the local community. Learning from this good practice we will facilitate a continual and positive programme of engagement with all stakeholders from the school's inception, giving you the opportunity to help shape your child's education. We know that a successful school builds partnerships and trust with families and carers and the school will work continually with all families and members of the community to ensure all students achieve their potential.

This is a tremendous opportunity for parents and students to have a voice in this school and make it heard, to participate in the development of a school from its inception and to ensure the Katherine Warrington School grows and develops the way we want it to. We will have high expectations of the support and commitment of families to the ethos and values of the school.

The school will strive to use its facilities to enhance the resources of the local community by offering a wide range of sport, leisure and adult education opportunities beyond the normal school day.

ENRICHMENT

Katherine Warington School will offer an exciting and broad range of enrichment opportunities across all areas of study and school life.

These activities will encompass day and residential trips, lunchtime clubs and after-school sporting events and teams, community work, music, drama and much more to ensure that all students get the chance to try new experiences and to make memories and discover interests that will last a lifetime.

In line with our vision for the school the Trust's proposed key outcomes are as follows:

- the school ranks amongst the highest performing schools in Hertfordshire and nationally in terms of attainment, progress and attendance;
- no students are permanently excluded from school;
- all students develop a sense of physical, social, spiritual, cultural and emotional well-being;
- all students leave the school ready to move to the next stage of education, employment or training;
- the school is fully subscribed;
- parents demonstrate a high degree of satisfaction with the school as judged by parental feedback and formal surveys;
- the school has a positive impact on the community as monitored by feedback and surveys;
- the school is judged outstanding by Ofsted and other external reviews;
- the school has a sustainable budget and is providing good value for money.



THE FIRST YEAR ACCOMMODATION

The initial intake of students will be taught in temporary classrooms (6 general, 2 specialist (science, art/music) and an intervention suite), with shower and toilet facilities and a dining/assembly area.

Except for specialist lessons and break and lunch times, students will remain in their assigned classrooms and teaching staff will move between classes.

PE: Outdoor facilities will include four multi-use games areas (the size of four tennis courts), a newly seeded full size grass pitch (available from March). The use of outdoor pitches at our partner secondary schools until our pitches are ready has been agreed. Indoor PE held in the dining/assembly space will consist of T25/ Fitness, circuits, yoga, dance and table tennis (four tables). PE will be timetabled for 1 class of 30 at one time.

A TYPICAL DAY

School starts with 20 minutes of form time each morning (once a week there is an assembly instead of form time). This will be followed by two back to back 50 minute lessons. After that there will be a 20 minute break. Periods 3 and 4 take place before lunchtime. Lunch is for one hour and lunch passes will be available to anyone attending a lunchtime club so that they can eat first. Lunch is followed by periods 5 and 6. At the end of period 6 there will be a 15 minute break and biscuits and juice will be available in the canteen. During this time students who are going to other schools will change into kit and be transported there for extra PE/orchestra etc. Those remaining will select one of several extra learning opportunities (these can be changed each half term or continued depending on the student choice and numbers selecting the option). Our 30 minute elected options will include chess, oracy, critical thinking, accelerated maths, book club, drama workshop, young engineer, sport, instrument practise and will start at 3.30pm and end at 4pm (Monday-Thursday).

The timetable will look like this:

MONDAY - THURSDAY		FRIDAY
School Buildings Open	7.30am	7.30am
Breakfast Club	8.00am - 8.25am	8.00am - 8.25am
Morning registration/Assembly	8.30am - 8.50am	Register & Period 1: 8.30am - 9.20am
Period 1	8.50am - 9.40am	Period 2: 9.20am - 10.10am
Period 2	09.40am - 10.30am	Period 3: 10.10am - 11.00am
Morning Break	10.30am - 10.50am	Break 11.00am - 11.20am
Period 3	10.50am - 11.40am	Period 4: 11.20am - 12.10pm
Period 4	11.40am - 12.30pm	Period 5: 12.10pm - 1.00pm
Lunch/Lunch clubs	12.30pm - 1.30pm	Lunch 1.00pm - 1.45pm (no clubs on Friday lunch time)
Period 5	1.30pm - 2.20pm	1.45pm - 2.30pm • Alternate Celebration • Assembly/House time • Well-being • Student leadership presentations
Period 6	2.20pm - 3.10pm	
Afternoon break	3.10pm - 3.30pm	
Period 7	3.30pm - 4.00pm	
School ends	4.00pm	2.30pm
School building closes	5.30pm	4.00pm

- All times are subject to alteration once transport schedules have been developed with commercial transport providers



UNIFORM

The uniform is a traditional secondary school uniform with blazer, shirt, tie, trousers/skirt. It will be available from at least two suppliers, one of which will offer on line ordering and in school collection. Various items will carry the Katherine Warrington logo. This is to ensure that the correct style of clothing is purchased and that it is worn correctly. This does mean that those items of the uniform will be bespoke and will cost more than a generic item. We are currently discussing pricing with suppliers and will always look to ensure that the costs of uniform to parents are competitive and affordable.

Girl's Uniform



Boy's Uniform



TRANSPORT

The new school is positioned off a busy main road. We aim to reduce the impact of additional traffic created by the school to a minimum. In order to do this we will promote a strong Travel Plan that requires all parents and students to identify the most likely method of travel. We are working closely with Hertfordshire County Council to ensure that likely walking routes and cycling routes are safe, well lit and maintained. Similarly, we are engaged with the commercial bus companies who provide student transport throughout Harpenden to seek increases in capacity on those routes and identify potential additional routes that will be commercially viable for those companies. Currently the following buses run past the school at suitable times: 610; 610 UH TTO; 366; 657; 866SDO; 45; 657SDO (TTO=term time only; SDO=school days only).

The proposed school opening and closing times are: **8am to 5.30pm Monday-Thursday** and **8am to 4pm on Fridays**. This may alter to suit appropriate bus timetables.

APPLICATION DETAILS

Details of how to apply to the Katherine Warrington School for September 2019 are on the school website <https://kwschool.co.uk/admissions/>

Information regarding the proximity of the nearest secondary school can be found on the Hertfordshire County Council website <https://www.hertfordshire.gov.uk/services/schools-and-education/school-admissions/school-admissions-and-transport>.

The closing date for applications for September 2019 entry is 31 October 2018.

The dual application process running for September 2019 allows for four secondary school preferences and a separate application for the Katherine Warrington School. On 1 March 2019, national allocations day, you will be allocated two choices, one from your four preferences and the Katherine Warrington School (place numbers permitting). You can then decide which offer to accept.

WHAT'S IN A NAME?

Dr Katherine Warington

Katherine Warington was born in Harpenden on 5th September 1897. She and her identical twin sister Helen (Nell) were the youngest of five daughters of Robert and Helen Warington, who lived at High Bank, 14 Milton Road in Harpenden, a spacious property built for the family by Robert (they had three older sisters, Elizabeth, Margaret and Dorothy). Robert Warington was an agricultural chemist who worked at the Rothamsted Experimental Station alongside John Lawes. Katherine's mother died when she was about a year old and for a few years afterwards Katherine and Nell were brought up by their aunt Gertrude in Oxford. Eventually they returned to Harpenden, after their father had remarried.



Katherine was educated at a boarding school, St Mary and St Anne's in Abbots Bromley, Staffordshire. Her education was interrupted by the First World War, when she spent some time in Yeovil, Somerset working on the land, where she was accredited as a flax harvester. At a time when few women went to university, let alone became scientists, she then studied at Royal Holloway College in London and obtained an Honours degree in Biology in 1920. She worked as a volunteer at Rothamsted for a short while but by 1921 she had joined the Botany Department to work under Dr Winifred Brenchley D.Sc. Katherine continued with her studies and gained an M.Sc. from the University of London in 1922.

Katherine's initial research was into the micronutrients needed for the successful growth of broad beans by making them distasteful to blackfly. Through careful laboratory trials she showed that boron was essential for the growth of the beans and published her first, and seminal, paper, 'The effect of Boric Acid and Borax on the Broad Bean and certain other plants' in *The Annals of Botany* in 1923. She subsequently published further papers on a similar theme either on her own or with Winifred Brenchley. She was regarded as having demonstrated unequivocally the essential nature of boron and her work has been quoted in scientific papers relatively recently. From September 1928 to January 1929 Katherine was seconded to the Experimentalfaltet in Stockholm, Sweden, where she worked with Professor Lundegardh, another plant researcher. She very much enjoyed her time in Sweden and later named the house she built 'Visby' in memory of happy times visiting Visby in Gotland.

Katherine's fastidious and scrupulously careful research earned her a Doctorate of Science from London University in 1937. For example, she insisted on those who entered her glasshouse should always wash their hands first, to avoid contamination. She continued to investigate the role of other elements in the growth of plants, assisting Winifred Brenchley with the Broadbalk

study of weed growth in winter wheat and also looking at the growth of weeds in grass as part of the Park Grass Experiment, a study begun in 1856 and which continues to this day. She concentrated on the weeds growing in the experimental wheat plots at Rothamsted, studying what affected their germination; for example, the effect of temperature, climate and different soils. She also experimented with seedling growth. Throughout her time at Rothamsted she exchanged information with other scientists around the world, and spoke at scientific conferences in Britain and abroad.

Katherine never married (there was a severe shortage of young men after World War I), but she cultivated many other interests, and enjoyed the company of her four nieces and eleven great-nieces and -nephews. Of course, she remained in close touch with her twin sister Nell, who became a physiotherapist and lived in St. Albans. She was a keen sportswoman, and in particular a tennis player; she won the Russell Cup at Rothamsted Tennis Club. She built her own house, Visby, at 15 Browning Road in Harpenden in 1935 and lived there until she moved to a retirement flat in Rothamsted Court in 1970. She enjoyed foreign travel and visited Denmark, Sweden, Switzerland, Latvia and Italy among other places. She had an enthusiasm for art and history and enjoyed visiting historic houses. Of course, she was a keen gardener and a great fan of the Chelsea Flower Show. She also took an active interest in politics, in particular events such as the General Strike in 1926 and, of course, the outbreaks and progress of both the world wars that she lived through. During World War II she opened her house to evacuees (a mother and child) and later received a commendation certificate from the Queen for this work.

Katherine retired in 1957, after which she volunteered at the Parish Office of St. Nicholas' church in Harpenden, where she had been a regular worshipper for many years. She is remembered as a modest, unassuming, quiet and retiring person, who was admired for her strength of character and fortitude in adversity. She died on 3rd July 1993, having moved to Sundridge House in St. Albans some years before, and is commemorated on her parents' gravestone in St. Nicholas' churchyard.

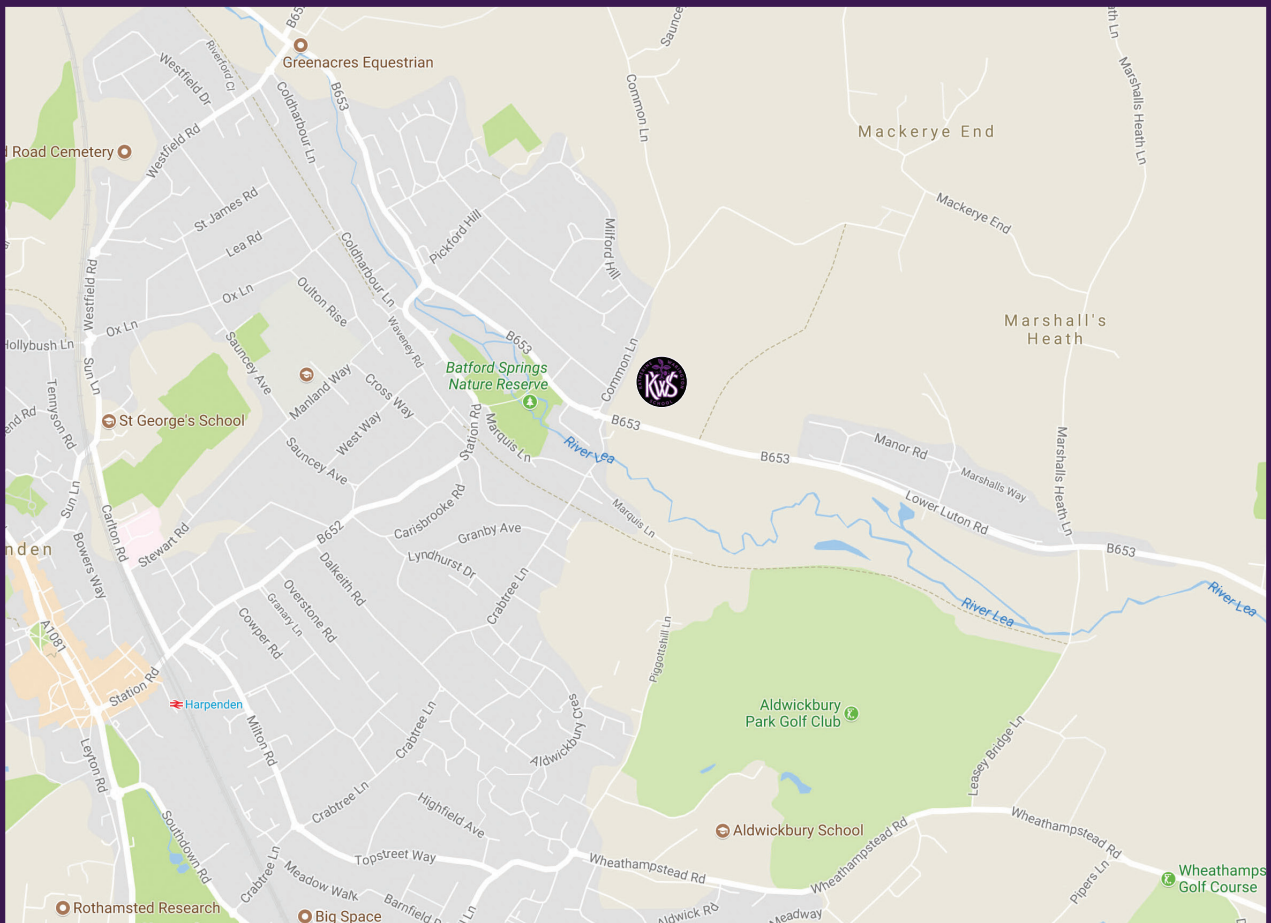
Katherine Warington would have been absolutely amazed to know that a school was to be named after her!

By Jenny Wickham, great-niece of Katherine Warington





HOW TO FIND US



Please visit the website at www.kwschool.co.uk.
For further information please email info@kwschool.co.uk or telephone **01582 714033**