

WTU3A SCIENCE & TECHNOLOGY TRIPS 2023

WHEN	2 nd February 2023
WHERE	Chapel Hall
WHAT	<p><u>A Talk - An overview of GPS “Satnav” by Damian Campbell</u></p> <p>GPS "Satnav" has affected our lives in many beneficial ways. Most of us rely on it for everyday navigation. Our military uses GPS to keep us safe. Emergency services rely on GPS to offer prompt response and to locate casualties in need of assistance. GPS has been instrumental in the saving of many lives. Construction and agriculture industries use GPS daily to improve their efficiencies. Taxi and food delivery companies have become critically dependent on GPS in their business models.</p> <p>This presentation explains how GPS “Satnav” came about, how it works, how it has developed since its inception and then takes a close look at present and future applications. It explains what is a complex subject, in a light hearted manner understandable by everybody. There are references to familiar historical figures and anecdotes which are close to home in our own community.</p>
LOCATION	Weston Turville Chapel Hall
FACILITIES	Coffee and Tea will be available.
TIMING	2-00PM
COSTS	£2 fee to cover cost of Hall
OTHER ACTIVITIES	None

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WHEN	March 2 nd , Thursday
WHERE	GREATMOOR EfW (Energy from Waste)
WHAT	<p>See what happens to your non-recyclable waste.</p> <p>Greatmoor is an Energy from Waste plant operated by FCC Environment under a 30 year partnership with Buckinghamshire Council to turn non-recyclable waste into energy.</p> <p>The facility allows up to 345,000 tonnes of non-recyclable waste per year to be diverted from landfill and instead enter a treatment process to generate power. The EfW produces 25 megawatts of electricity, enough to power 40,000 homes. At the same time, it will save the Council approximately £150 million over the lifetime of the contract through diverting waste from landfill.</p> <p>The Visitor Centre is located on the third floor of the building, offering great access to the working plant and fantastic views of the surrounding countryside. There is a full-time Waste Awareness and Education Manager who will lead each tour. The Centre is designed to promote and inform visitors about the benefits of using waste to produce renewable energy as well as educating about waste reduction, reuse and recycling.</p> <p>Introduction and tour take around 2.5hrs and are limited to 15 people. There will be a tour starting at 10am and another at 2pm.</p> <p>NB – the generator in the turbine hall creates a powerful electromagnetic field which may affect medical devices such as pacemakers</p>
LOCATION	Greatmoor Road, Woodham HP18 0QE (sat-nav)
FACILITIES	Toilets. lift
TIMING	TBA. Make own way to Greatmoor
COSTS	Cost of Tour - Free
OTHER ACTIVITIES	None

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WHEN	4 th April 2023 - Please note that this is a Tuesday
WHERE	London Transport Museum - Acton
WHAT	<p>The Museum Depot at Acton holds the majority of the Museum's collections which are not on display in the main Museum in Covent Garden.</p> <p>Our guided tours allow you to go behind the scenes at this working depot and explore this treasure trove of transport history. Discover delights like historic road and rail vehicles, engineering equipment, original artworks and posters, signs and maps, and learn from our knowledgeable volunteer guides.</p> <p>We will be taking two tours during the day.</p> <p>The Depot tour which reviews the main artefacts in the depot. Examples of Underground trains, Buses and hundreds of items associated with transport in and around London.</p> <p>The Poster tour concentrates on the many posters that have advertised transport around London going back to the first in the early 1900's. Some original artworks by famous artists are stored in the collection together with the resulting poster.</p> <p>We will divide the group in two, spend the morning on one tour and then swap to complete the other in the afternoon.</p> <p>Please bring something to eat for lunch. There are toilet facilities on site and a room is available for us to eat in while we are there.</p>
LOCATION	<p>2 Museum Way, 118-120 Gunnersbury Ln, Acton, London - W3 9BQ</p> <p>what3words: riots.flows.spends</p>
FACILITIES	Toilets on site, and there is a room for us to eat lunch.
TIMING	Leave Weston Turville by coach at 8-00am to arrive at 10-30. We will leave by 4-15pm to return home
COSTS	The combined fee will be £40 for the coach and the two tours. This is based on 35 participants who we hope will be the minimum number who will wish to join the trip. We will also have to limit the number of participants to 40 as 20 is the maximum for the Poster tour.
OTHER ACTIVITIES	None

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WHEN	June 1 st , Thursday
WHERE	BATTLE OF BRITAIN BUNKER
WHAT	<p>The Battle of Britain Bunker is an underground operations room at RAF Uxbridge, formerly used by No. 11 Group Fighter Command during the Second World War. Fighter aircraft operations were controlled from there throughout the War but most notably during the Battle of Britain and on D-Day.</p> <p>A one-hour Bunker tour takes you down 76 steps to see the original 1940s Bunker and new soundscape, followed by a visit to the exhibition which currently includes a free virtual video tour of the Bunker and the new Polish Air Force galley.</p>
LOCATION	Wren Avenue, Uxbridge UB10 0GG
FACILITIES	Toilets, café and shop
TIMING	Arrive at 10.30 to allow time to visit café. Private tour starts at 11am
COSTS	Own transport to Uxbridge. Tour costs £295 for up to 40 people
OTHER ACTIVITIES	None

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WHEN	Proposed date will be 5 th May - Please note this will be a Friday
WHERE	CHILTERN OPEN AIR MUSEUM
WHAT	<p>Chiltern Open Air Museum was founded in 1976 with the aim of rescuing threatened buildings. More than thirty historic building have now been saved and rebuilt at the 45 acre site, and there are more in store. The Museum only accepts buildings that would otherwise be demolished.</p> <p>The Museum's collection focuses on vernacular buildings – the past houses and workplaces of ordinary people that are gradually disappearing from the landscape. In the Chilterns, an Area of Outstanding Natural Beauty on London's doorstep, the pressures of redevelopment are particularly great. Chiltern Open Air Museum preserves a heritage that would otherwise have been lost.</p> <p>Step back in time and explore over 30 reconstructed historic buildings, including an Iron Age roundhouse, 1940s prefab, blacksmith's forge, Victorian toll house, tin chapel, WW1 and WW2 Nissen huts, earthen cottage and working historic farm that is home to goats, sheep, chickens, cows and farm cats. All set in 45 acres of beautiful Chilterns countryside.</p> <p>As well as a collection of historical buildings the Museum boasts a number of small traditional gardens that complement them and suit their time periods. These include a formal Arts and Crafts garden, a pretty cottage garden, and a 'dig for victory' allotment next to the 1940s prefab. The cherry and apple orchards are full of heritage varieties, and the woods are carpeted with bluebells in spring.</p> <p>In addition to the buildings and gardens there is a heritage adventure playground, woodland trail, sensory trail, orienteering course, gift shop and Tea Room. The Museum is a popular filming venue and has been used for filming lots of popular television dramas and films including: Mary Queen of Scots, Downton Abbey, Call the Midwife, Grantchester, Horrible Histories and many more.</p>
LOCATION	Newland Park, Gorelands Lane, Chalfont St Giles, Buckinghamshire HP8 4AB
FACILITIES	Toilets, tea room and gift shop
TIMING	10-30 arrive, time of tour to be determined.
COSTS	Own transport. A group fee of 7-50 per person and possibly an extra amount of £2 for a tour.
OTHER ACTIVITIES	None

