

### 1 Yr Amgueddfa, Stryd y Rhaglaw

Adeiladwyd yr amgueddfa o dywodfaen Carbonifferaidd lleol. Yn adeilad hwn oedd pencadlys Milisia Brenhinol Sir Ddinbych yng nghanol y 19eg ganrif. Yn yr amgueddfa mae modd gweld engrifftiau o'r gwahanol friciau a theils a wnaed o Farl Rhiwabon, sy'n glai lleol.



*O'r amgueddfa, troi i'r dde a cherdded tua'r dwyrain i ganol y dref.*

#### The Museum, Regent Street

The museum is built of local Carboniferous sandstone. The building was the Headquarters of the Royal Denbighshire Militia during the mid 19th Century. Examples of the variety of colourful bricks and tiles made from Ruabon Marl, a local clay, can be seen inside the museum.

**Turn right from the Museum and head east towards the town centre.**

### 2 Banc Lloyds, 28 Stryd y Rhaglaw

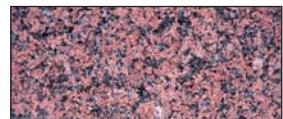
Codwyd llawr isaf yr adeilad hwn a dywodfaen Carbonifferaidd llwyd a thywodfaen Triassic coch. Mae'r lluw Coch yn ganlyniad ocsidieiddiad ('rhud') mwynau haearn mewn amgylchedd diffeithdir, ond dyddodwyd y twyodfaen llwyd mewn dŵr, ar ffurf delta afon, yn ôl pob tebyg.

#### Lloyds Bank, 28 Regent Street

The ground floor of this building is built of grey Carboniferous sandstone and red Triassic sandstone. The red colour is a result of oxidation ('rusting') of the iron minerals within a desert environment, while the grey sandstone was deposited under water, probably in a river delta.

### 3 Cash Generator, Stryd Egerton

Y drws nesaf i Fanc Lloyds mae'r Cash Generator, lle y gwneir defnydd effeithiol iawn o wenithfaen lluw coch a du.



*Dychwelyd i Stryd y Rhaglaw a throi i'r chwith.*

#### Cash Generator, Egerton Street

Next door to Lloyds Bank is the Cash Generator, where a very striking red-orange and black granite is used to great effect.

**Return to Regent Street and turn left.**

### 4 The Body Shop, 35 Stryd yr Hôb

Serpentininit neu sarff-faen yw'r graig igneaidd werdd ac ynddi strimynnau trawiadol o gwarts. Ym Mhyrdain mae serpentinit yn brigo ar Benrhyn Lizard yng Nghernyw ac yn Ynys Môn, er mai o dramor y daw'r enghraift hon.



#### The Body Shop, 35 Hope Street

This green igneous rock with its distinctive streaks of quartz is serpentinite. In Britain serpentinite occurs on the Lizard Peninsula in Cornwall and on the island of Anglesey, although this example is imported.

### 5 Ernest Jones a'i Gwmni, 17-18 Stryd yr Hôb

Mae arfbais y Gofaint Aur wedi'i gosod ar ddarn o farmor pinc caboledig a fewnforwyd.



#### Ernest Jones and Company, 17-18 Hope Street

The Goldsmiths' crest is mounted on polished pink marble which was imported.

### 6 Ar gyffordd Stryd yr Hôb a Stryd Fawr, edrychwch ar y cerrig sets o fric, gwenithfaen, micronenithfaen, basalt a thywodfaen dan eich traed.

**At the junction of Hope Street and High Street** look down to see brick, granite, microgranite, basalt, and sandstone setts.

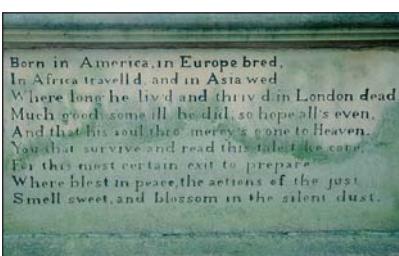
### 7 Eglwys San Silyn

Adeiladwyd yr eglwys o Garreg Cefn a ddaw o'r Cystradau Glo lleol. Yn ôl pob tebyg, cloddiwyd y twyodfaen lluw mîl golau hwn ym Mrychdyn, nid nepell o'r dref. Yn y mannau lle mae sment naturiol gwan yn cydio'r gronynnau twyod wrth ei gilydd mae'r twyodfaen wedi hindreulio, ac achoswyd y duo gan lygredd o simneiau diwydiannol sydd bellach wedi hen ddiflanu. Ar feddfaen twyodfaen mawr Elihu Yale, sylfaenydd Prifysgol lâl yn UDA, ceir arysgrifen sy'n crynhoi hanes ei fywyd.



#### St Giles' Church

The church is built of local Cefn Rock from the Coal Measures. This pale honey-coloured sandstone, which can be cut easily into blocks, was probably quarried at nearby Broughton. Where the sand grains are held together with a weak natural cement, the sandstone has weathered away. The blackening is due to pollution from industrial chimneys, now gone. The large sandstone tombstone of Elihu Yale, founder of Yale University in the USA, has an inscription summarising his life history.



### 8 Eglwys San Silyn (tu mewn)

Ceir nifer o wahanol fathau o gofbau marmor lliwgar ar y muriau twyodfaen. O dddidrobod arbenig yw'r foneddiges sy'n dringo allan o arch. Mae'r gofod hon yn cynnwys chwe gwahanol fath o farmor, oll o'r Eidal, yn ôl pob tebyg. Gall fod y marmor di-nam gwyn yn gynnyrch chwareli Carrara. Sylwer ar golofnau'r pulpud a gerfiwyd o 'farmer' Defonaidd coch.

*Dychwelyd i'r Stryd Fawr a throi i'r dde.*

#### St. Giles' Church (inside)

There are many colourful varieties of marble memorials on the sandstone walls. Of particular interest is the 'Lady climbing out of a coffin'. This memorial has six different types of marble, all probably from Italy. The flawless white marble may be Carrara Marble. Note the pulpit columns carved from red Devonshire 'marble'.

**Return to the High Street and turn right**

### 9 Banc Barclays, 40-41 Stryd Fawr

Daw'r llechfaen gwyrdd, sy'n rhan o Gyfres Folcanig Borrowdale, o Ardal y Llynnoedd. Amser math yn ôl, hyrddiodd llosgfynyddoedd lludwyr awyr, a disgynnodd peth ohono i mewn i'r môr. Claddwyd y gwaddodion folcanig hyn ac yna bu gwres a gwsgedd ym gyfrifol am eu metamorfforeiddio a'u troi'n llechfeini. Mwynau clorit, a ffurfiwyd wrth i'r lludw adweithio â dŵr môr, sy'n gyfrifol am y lluw gwyrdd.

**Barclays Bank, 40-41 High Street**

The green slate is found in the Borrowdale Volcanic Series from the Lake District. Volcanoes once ejected ash, some of which fell into the sea. These volcanic sediments were buried and then heat and pressure metamorphosed them into slate. The green colour is due to chlorite minerals which were formed when the ash reacted with seawater.

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### 10 Jones Peckover, 33 Stryd Fawr

Codwyd yr adeilad urddasol hwn o dywodfaen, calchfaen a gwenithfaen. Yn ôl pob tebyg daw tywodfaen coch y rhan uchaf o gyffiniau Lerpwl. Mae'r rhan isaf yn cynwys blociau o wenithfaen crisiau, a Chalchfaen Portland ffosiliferaidd llwyd olau o Dorset.



#### Jones Peckover, 33 High Street

This distinguished building is built of sandstone, limestone and granite. The red sandstone of the upper section is probably from the Liverpool area. The lower section consists of crystalline granite blocks, and the light grey fossiliferous Portland Limestone comes from Dorset.

### 11 Bar Lloyd (J.D. Wetherspoon), 14-15 Stryd Fawr

Mae'r gwenithfaen o Bortiwgal y naddwyd y colofnau a'r slabiau addurnol ohono yn cynwys ffelsbar gwyn, mica du a chrisialau cwarts di-liw. Mae o leiaf dau o'r slabiau yn cynnwys clytiau llwyd a oedd, o bosibl, yn ddarnau o greigiau gwahanol a drafflynwyd gan y gwenithfaen tawdd. Gelwir y fath ddarnau yn senolithau (gair sy'n golygu 'creigiau estron'), neu 'heathens' gan chwarelwyr yr Alban a 'furreners' gan chwarelwyr Lloegr. Mae'r crisiau mawr yn dangos bod y magma tawdd y ffurfiwyd y graig igneaidd hon ohono wedi crisiau'n araf.



*Ar y gornel, troi i'r chwith a cherdded tua'r gogledd ar hyd Stryd Caer, a throi i'r chwith i mewn i Stryd Henblas.*

#### Lloyd's Bar (JD Wetherspoon's), 14-15 High Street

The Portuguese granite of the columns and decorative slabs contain white feldspar, black mica, and colourless quartz crystals.

At least two slabs contain grey areas which may be fragments of different rock which was engulfed by the molten granite. Such fragments are called xenoliths (literally foreign rock) or 'heathens' by Scottish quarrymen, or 'furreners' by English quarrymen - take your pick!

Large crystals indicate that this once molten igneous rock cooled slowly underground.

**Turn left at the corner and walk north up Chester Street, left into Henblas Street.**

### 12 Y Farchnad, Stryd Henblas

Ceir engraffit wych o fricwaith a lunwyd o friciau lleol Rhiwabon uwchlaw'r brif fynedfa.

*Dilyn y ffordd sy'n arwain ar hyd Stryd Henblas, Stryd y Frenhines ac i mewn i Ffordd Rhos-ddu.*



#### General Market, Henblas Street

There is a fine example of the locally manufactured Ruabon brickwork above the main entrance.

**Continue along Henblas Street, through Queen Street into Rhosdu Road.**

### 13 Y Llyfrgell, Llwyn Ifaf

Mae slabiau tenau o galchfaen melynaiwr garw, dan yr enw trarfen, yn addurno'r muriau allanol a'r mynediad. Ffurfir y graig hon fesul haen mewn ffynhonnau folcanig poeth. Darn o Galchfaen Carbonifferaidd lleol, sy'n cynnwys rhai cregyn ffosil a chrisialau porffor o fflwrsbar, (isod) yw'r maen hir. Lluniwyd y clogaen gwenithfaen cerfiedig ar y glaswellt gan y cerflunydd Hideo Furuta.

*Dyma ddiwedodd y daith.*

#### Library, Llwyn Ifaf

Thin slabs of rough yellowish limestone known as travertine decorate the outer walls and entrance. This rock is formed in hot volcanic springs, and is built up in layers.



The standing stone is local Carboniferous limestone which contains some fossil shells and purple crystals of fluorite, seen in the photo above.

The sculpted granite boulder nearby on the grass is by sculptor Hideo Furuta.

*Here the trail ends.*

Last Ice Age

Quaternary

2 Millions of years ago

Extinction of Dinosaurs

65

Cretaceous

First Birds

Jurassic

MESOZOIC

248

Triassic

Permian

248

Carboniferous

First Forests

Devonian

400

Silurian

Ordivician

545

PALAEZOIC

PRECAMBRIAN

3400 Oldest Rocks in Britain

4600 Earth Forms