

## Whole School Numeracy Policy

### Ysgol Dyffryn Aman

Ysgol Dyffryn Aman is committed to raising the standards of numeracy of all of its pupils, so that they develop the relevant skills necessary to cope with the numeracy demands across the curriculum and for their future.

We define Numeracy as the ability to use numbers to solve problems in real life and all staff should recognise the importance of being numerate to aid in improving learning in their subjects.

#### **The purposes of this whole-school numeracy policy is:**

- to develop, maintain and improve standards in numeracy across the school
- to ensure consistency of practice including methods and vocabulary
- to assist the transfer of pupils' knowledge, skills and understanding between subjects

#### **Consistency of Practice**

It is not solely the responsibility of the mathematics department to develop such skills. It is vital that all numeracy rich subjects take responsibility to ensure pupils are acquiring relevant numeracy skills across the curriculum.

#### **Teachers of mathematics and the Numeracy Coordinator should:**

- Be aware of the mathematical techniques used in other subjects and provide assistance and advice to other departments, so that a correct and consistent approach is used in all subjects.
- Provide information to other subject teachers on appropriate expectations of students and difficulties likely to be experienced in various age and ability groups.
- Through liaison with other teachers, attempt to ensure that students have appropriate numeracy skills by the time they are needed for work in other subject areas.
- Seek opportunities to use topics and examination questions from other subjects in mathematics lessons.

#### **Teachers of other Numeracy rich subjects should:**

- Ensure that they are familiar with correct mathematical language, notation, conventions and techniques, relating to their own subject, and encourage students to use these correctly.
- Be familiar with the Numeracy Framework and have completed the Numeracy Audit with up-to-date, relevant tasks that effectively challenge and develop pupils skills.
- Be aware of appropriate expectations of students and difficulties that might be experienced with numeracy skills within their subject.
- Provide information for mathematics teachers on the stage at which specific numeracy skills will be required for particular groups i.e. for KS4/5.



Doc/JHW/BCD/2019-20/1

## Polisi Rhifedd Ysgol Gyfan Ysgol Dyffryn Aman

Mae Ysgol Dyffryn Aman wedi ymrwymo i godi safonau rhifedd ei holl ddisgyblion, fel eu bod yn datblygu'r sgiliau perthnasol sy'n angenrheidiol i ymdopi â'r gofynion rhifedd ar draws y cwricwlwm ac i'r dyfodol.

Rydym yn diffinio Rhifedd fel y gallu i ddefnyddio rhifau i ddatrys problemau mewn bywyd go iawn a dylai'r holl staff gydnabod pwysigrwydd bod yn rhifog i gynorthwyo i wella dysgu yn eu pynciau.

### **Dibenion y polisi rhifedd ysgol gyfan hwn yw:**

- datblygu, cynnal a gwella safonau rhifedd ar draws yr ysgol
- sicrhau cysondeb ymarfer gan gynnwys dulliau a geirfa
- cynorthwyo i drosglwyddo gwybodaeth, sgiliau a dealltwriaeth disgyblion rhwng pynciau

### **Cysondeb Ymarfer**

Nid cyfrifoldeb yr adran fathemateg yn unig yw datblygu sgiliau o'r fath. Mae'n hanfodol bod pob pwnc cyfoethog rhifedd yn cymryd cyfrifoldeb i sicrhau bod disgyblion yn caffael sgiliau rhifedd perthnasol ar draws y cwricwlwm.

### **Dylai athrawon mathemateg a'r Cydlynnydd Rhifedd:**

- fod yn ymwybodol o'r technegau mathemategol a ddefnyddir mewn pynciau eraill a darparu cymorth a chynghor i adrannau eraill, fel bod dull cywir a chyson yn cael ei ddefnyddio ym mhob pwnc.
- roi gwybodaeth i athrawon pwnc eraill ar ddisgwyliadau priodol myfyrwyr ac anawsterau sy'n debygol o fod mewn gwahanol grwpiau oedran a gallu.
- gysylltu ag athrawon eraill, a cheisio sicrhau bod gan fyfyrwyr sgiliau rhifedd priodol sydd ei angen arnynt i weithio mewn meysydd pwnc eraill.
- geisio cyfleoedd i ddefnyddio pynciau a chwestiynau arholiad o bynciau eraill mewn gwersi mathemateg.

### **Dylai athrawon pynciau eraill sy'n gyfoethog mewn Rhifedd:**

- sicrhau eu bod yn gyfarwydd ag iaith, nodiant, confensiynau a thechnegau mathemategol cywir, sy'n ymwneud â'u pwnc eu hunain, ac anog myfyrwyr i ddefnyddio'r rhain yn gywir.
- Bod yn gyfarwydd â'r Fframwaith Rhifedd ac wedi cwblhau'r Archwiliad Rhifedd gyda thasgau cyfredol, perthnasol sy'n herio ac yn datblygu sgiliau disgyblion yn effeithiol.
- Bod yn ymwybodol o ddisgwyliadau priodol myfyrwyr ac anawsterau a allai godi gyda sgiliau rhifedd yn eu pwnc.
- Darparu gwybodaeth i athrawon mathemateg pan fydd angen sgiliau rhifedd penodol ar gyfer grwpiau penodol, h.y. ar gyfer CA4/5.