Dyfnhau Arfer: Mathemateg a Rhifedd

Deepening Practice: Mathematics and Numeracy

Paratoi Aseiniad

Assignment Preparation

b.sturrock@uwtsd.ac.uk

Amcan: Gwerthusiad beirniadol i ddangos eich dealltwriaeth ymarferol a damcaniaethol o rôl y Cydlynydd Mathemateg a Rhifedd

Objective:

Create a journal to demonstrate deep practical and theoretical understanding of the role of the Maths and Numeracy Co-ordinator

Trosolwg Damcaniaethol (300 gair):

Trafodwch theori allweddol sy'n berthnasol i Fathemateg a Rhifedd a rôl y Cydlynydd. Ystyriwch y newidiadau diweddar yng Nghymru a'r ddeddfwriaeth sylfaenol. Gallwch fod yn feirniadol ynghylch gweithrediad y ddeddfwriaeth a sut mae hyn wedi gweithio mewn ysgolion. Ystyriwch astudiaethau achos perthnasol.

Theoretical Overview (300 words):

Discuss key theory relevant to Maths and Numeracy and the role of the Co-ordinator. Consider recent changes in Wales and underpinning legislation. You can be critical in the implementation of the legislation and how this has worked within schools. Consider relevant case studies.

Myfyrdodau a Dealltwriaeth Ymarferol (600 gair):

Darparwch adolygiad beirniadol o sut y cynhaliwyd y rôl, yn ôl eich profiad chi. Beth mae Cydlynydd Mathemateg a Rhifedd effeithiol yn ei wneud? Sut oedd y Cydlynydd yn cefnogi eraill? Eglurwch y rôl drwy brofiad personol ond cefnogwch gydag llenyddiaeth lle bo modd. Meddyliwch am Asesu ar Gyfer Dysgu,integreiddio Rhifedd ar draws y Cwricwlwm a gweithdai rhieni. Ystyriwch astudiaethau achos perthnasol sydd yn dangos arfer dda.

Reflections and Practical understanding (600 words):

Provide a critical review of how the role was conducted, in your experience. What does an effective Maths and Numeracy Co-ordinator do? How did the Co-ordinator support others? Explain the role through experience but support with literature where possible. Think about Assessment for Learning, Integrating Numeracy across the Curriculum, parent workshops. Look at Estyn Case Studies for good practice.

Cyfyngiadau a Rhwystrau (300 gair):

Dylid gweu beirniadaeth drwy'r aseiniad ond darparwch adran benodol sy'n amlinellu'r rhwystrau a'r cyfyngiadau y gallant eu hwynebu. Pa atebion sydd yn eu lle, neu y gallai fod, i gefnogi'r rôl?

Limitations and Barriers (300 words)

Weave your criticality throughout but provide a specific section that outlines what limitations and barriers may be in their way? What solutions were in place or could be in place to support the role?

Cyswllt â Safonau Addysgu a Datblygiad Proffesiynol (150 gair):

Trafodwch sut mae'r damcaniaethau a'r ymchwil yn cyd-fynd â safonau proffesiynol athrawon a'r cymwyseddau disgwyliedig yn y Cwricwlwm i Gymru. Myfyriwch ar dwf personol a chynlluniau ar gyfer datblygiad proffesiynol yn y dyfodol yn seiliedig ar y mewnwelediadau a gafwyd.

Link to Teaching Standards and Professional Development (150 words):

Discuss how the theories and research align with professional teaching standards and the expected competencies in the Curriculum for Wales. Reflect on personal growth and future professional development plans based on insights gained.

Cyfeiriwch at y Meini Prawf (5)
Refer to the Success Criteria (5)

CANLLAWIAU I FYFYRWYR WRTH GWBLHAU TASGAU

SYLWER: Mae'r canllawiau a nodir isod yn gysylltiedig â'r pum maen prawf asesu generig drosodd.

1. Sgiliau Ymgysylltu â Llenyddiaeth

Mae'n rhaid i'ch gwaith gael ei lywio a'i gefnogi gan ddeunydd ysgolheigaidd sy'n *berthnasol* i'r dasg/tasgau a osodwyd ac sy'n *canolbwyntio* arni/arnynt; dylech ddefnyddio adolygiadau ysgolheigaidd a ffynonellau gwreiddiol, lle bo'n briodol (er enghraifft, erthyglau ymchwil a adolygwyd a/neu ddeunyddiau gwreiddiol sy'n briodol i'r ddisgyblaeth). Dylech ddarparu tystiolaeth i ddangos eich bod wedi cael mynediad i *ystod* eang o ffynonellau, a allai fod yn academaidd, yn llywodraethol a diwydiannol; gall y ffynonellau hyn gynnwys erthyglau cyfnodolion academaidd, gwerslyfrau, erthyglau newyddion cyfredol, dogfennau sefydliadol a gwefannau. Dylech ystyried *hygrededd* eich ffynonellau; fel arfer mae cyfnodolion academaidd yn ffynonellau credadwy iawn, ond mae'n rhaid ystyried/dethol gwefannau'n ofalus iawn a dylid eu defnyddio'n gynnil. Dylai unrhyw ffynhonnell a ddefnyddiwch fod yn gyfredol, a'r rhan fwyaf wedi'u cyhoeddi o fewn y pum mlynedd diwethaf, er y gall darnau arloesol/pwysig o waith yn y maes fod yn hŷn. Rhaid i chi ddarparu *tystiolaeth* o'ch ymchwil/gwaith darllen eich hun trwy gydol eich gwaith, gan ddefnyddio system gyfeirnodi addas, yn cynnwys cyfeiriadau yn y testun ym mhrif ran eich gwaith a rhestr gyfeiriadau ar ddiwedd eich gwaith.

Canllawiau penodol i'r asesiad hwn:

2. Sgiliau Gwybodaeth a Dealltwriaeth

Ar lefel 6, dylech allu arddangos gwybodaeth gydlynol a manwl a dealltwriaeth systematig o'r maes pwnc, y mae o leiaf rhywfaint o'r rhain wedi'i seilio ar yr ymchwil diweddaraf a/neu ysgolheictod uwch o fewn y ddisgyblaeth. Dylech fod yn ymwybodol o ansicrwydd ac amwysedd gwybodaeth a'r cyfyngiadau arni. Mae'n rhaid i'ch gwaith ddangos ehangder cynyddol eich gwybodaeth a'ch dealltwriaeth systematig o gysyniadau ac egwyddorion gwaelodol sy'n gysylltiedig â'r maes pwnc. Mae *gwybodaeth* yn ymwneud â'r ffeithiau, y wybodaeth a'r sgiliau rydych wedi'u caffael trwy eich dysgu. Rydych yn arddangos eich *dealltwriaeth* trwy ddehongli ystyr y ffeithiau a'r wybodaeth. Golyga hyn fod arnoch angen dethol a chynnwys yn eich gwaith y cysyniadau, y technegau, y modelau, a'r theorïau ac ati sy'n briodol i'r dasg/tasgau a osodwyd. Dylech allu

GUIDANCE FOR STUDENTS IN THE COMPLETION OF TASKS

NOTE: The guidance offered below is linked to the five generic assessment criteria overleaf.

1. Engagement with Literature Skills

Your work must be informed and supported by scholarly material that is *relevant* to and *focused* on the task(s) set; you should make use of scholarly reviews and primary sources, where appropriate (for example, refereed research articles and/or original materials appropriate to the discipline). You should provide evidence that you have accessed a wide *range* of sources, which may be academic, governmental and industrial; these sources may include academic journal articles, textbooks, current news articles, organisational documents, and websites. You should consider the *credibility* of your sources; academic journals are normally highly credible sources while websites require careful consideration/selection and should be used sparingly. Any sources you use should be current and up-to-date, mostly published within the last five years or so, though seminal/important works in the field may be older. You must provide *evidence* of your research/own reading throughout your work, using a suitable referencing system, including in-text citations in the main body of your work and a reference list at the end of your work.

Guidance specific to this assessment:

2. Knowledge and Understanding Skills

At level 6, you should be able to demonstrate coherent and detailed knowledge and a systematic understanding of the subject area, at least some of which is informed by the latest research and/or advanced scholarship within the discipline. You should be aware of the uncertainty, ambiguity and limits of knowledge. Your work must demonstrate the growing extent of your knowledge and systematic understanding of concepts and underlying principles associated with the subject area. *Knowledge* relates to the facts, information and skills you have acquired through your learning. You demonstrate your *understanding* by interpreting the meaning of the facts and information (knowledge). This means that you need to select and include in your work the concepts, techniques, models, theories, etc. appropriate to the task(s) set. You should be able to explain the theories, concepts, etc. meaningfully to show your understanding. Your mark/grade will also depend upon the *extent* to which you demonstrate your knowledge and understanding; ideally each should be complete and detailed, with comprehensive coverage.

Darllen Hanfodol/Essential Reading

Darllen Hanfodol / Essential Reading (4)

Maths and Numeracy Area of Learning and Experience
Website | Welsh Government, Welsh Government, 2020
Essential
View online

Improving Mathematics in Key Stages 2 and 3
Website | Education Endowment Foundation, EEF, 2017
Essential
View online

Becoming an outstanding primary school teacher : a journey, not a destination
E-book | Grigg, Russell,, Russell Grigg 1963- author, Third edition., Abingdon, Oxon ; New York, NY :; Abingdon, Oxon ; New York, NY :, Routledge, 2022., Total pages xiii, 473 pages :
Essential
View online •
Available at Swansea Campus Y Fforwm Library Main Collection: 372.1102 GRI and more locations