




Technoleg / Technology 3 – Alun Thomas

(dysgwyr uchelgeisiol, galluog) cael gwybodaeth a dealltwriaeth dda o gysyniadau allweddol mewn gwyddoniaeth; datblygu sgiliau mewn arsylwi, ymchwil a meddwl yn feirniadol; dysgu sgiliau er mwyn defnyddio technolegau'n greadigol	(ambitious, capable learners) gaining a solid base of knowledge and understanding of key concepts in science; developing skills in observation, research and critical thinking; becoming skilled in the creative use of technologies
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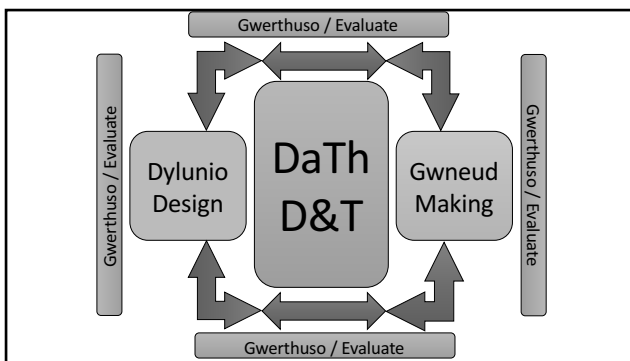
(cyfranwyr mentrus, creadigol) cynllunio prosesau a chreu cynhyrchion ac eitemau digidol; cydweithio ag eraill i ddatblygu datrysiadau dyfeisgar a chreu nwyddau ar gyfer y farchnad	(enterprising, creative contributors) designing processes and creating digital products and objects; working with others to develop novel solutions and to create products for the marketplace
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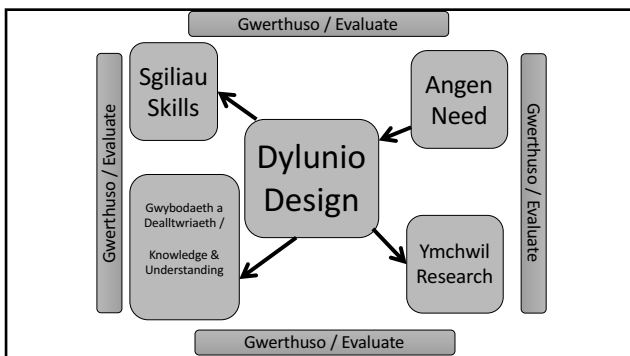
Ffocws y sesiwn

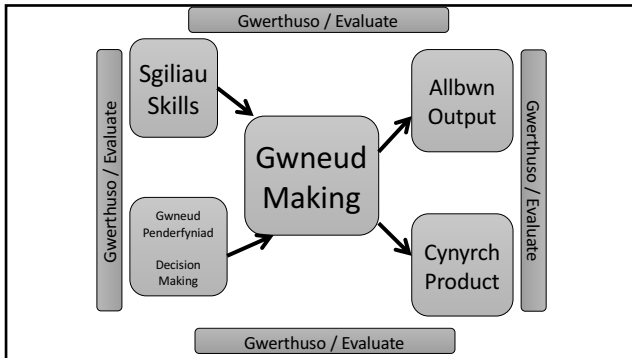
Session Focus

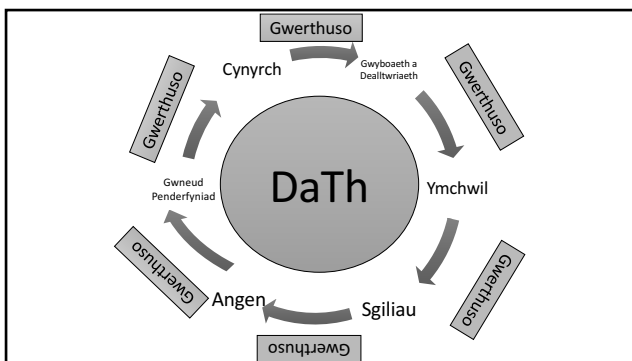
- 1) Y Broses (AT)
- 2) Ymateb i'r angen sydd wedi gosod o fewn senario
- 3) Cefndir i'r symudiadau sylfaenol
- 4) Enghraifft o fath o symudiadau gallwch ystyried
- 5) Cynnyrch a'ch gwerthusiad

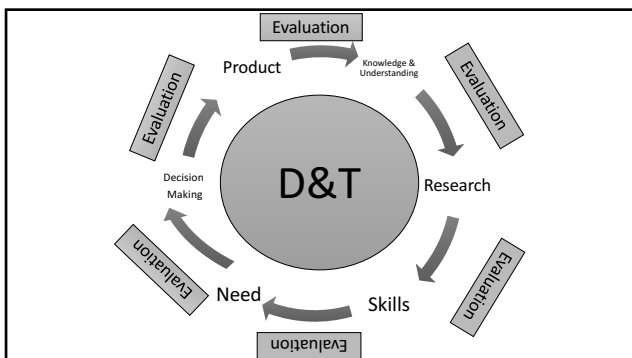
- 1) The Process (AT)
- 2) Responding to the need offered within the scenario
- 3) Background to the basic movements
- 4) Examples of movements you could consider
- 5) Product and Evaluation











C.A.2. Sgiliau Gwneud / K.S.2 Skills Making

Systemau a rheoli

15) defnyddio systemau rheoli rhaglenadwy/cyfrifiadurol sy'n gallu creu, profi, addasu a storio cyfarwyddiadau i reoli digwyddiadau, e.e. *bwydo cyfarwyddiadau i mewn i degan rhaglenadwy a'u storio yn y tegau hwnnw, ysgrifennu rhaglen syml ar gyfer crwbau llawr, rheoli eu cynhyrchion gan ddefnyddio caledwedd/meddalwedd cyfrifiadurol.*

Systems and control

15) use programmable/computer control systems that can create, test, modify and store instructions to control events, e.g. *enter and store instructions in a programmable toy, write a simple programme for a floor turtle, control their products using computer hardware/software.*

C.A.2. Sgiliau Gwneud / K.S.2 Skills Making

Systemau a rheoli

13) cysylltu mecanweithiau syml i gynhyrchu gwahanol fathau o symudiadau, e.e. *defnyddio liferi syml i symud adenydd aderyn sydd wedi'i wneud o gerdyn fflat*
14) gosod cylchedau trydanol foltedd isel syml mewn cynhyrchion, e.e. *ychwanegu system oleuo syml at fodel o dŷ, sy'n cynnwys batri, switsh a bylbiau*

Systems and control

13) construct simple mechanisms to produce different types of movement, e.g. *use simple levers to move the wings on a bird made from flat card*
14) build simple low-voltage electrical circuits within products, e.g. *add a simple lighting system to a model house that includes a battery, switch and bulbs*

C.A.2. Sgiliau Gwneud / K.S.2 Skills Making

Iechyd a Diogelwch

Dylid addysgu'r disgyblion sut i ddefnyddio offer a chyfarpar yn ddiogel ac ystyried y peryglon a'r risgiau yn eu gweithgareddau, eu hymddygiad a'u ffordd o fyw. Dylent allu dilyn cyfarwyddiadau i reoli'r risg iddynt hwy eu hunain ac eraill, e.e. *sicrhau bod mannau paratoi bwyd yn hollol lân; y risg sy'n gysylltiedig ag offer llaw.*

Health and Safety

Pupils should be taught how to use tools/utensils and equipment safely and to consider the hazards and risks in their activities, behaviour and lifestyle. They should be able to follow instructions to control risk to themselves and others, e.g. *ensure that food preparation areas are scrupulously clean; risk associated with hand tools.*

Cynllunio / Planning
Cwestiynau Allweddol / Key Questions

Does this sequence of activities progress skills?
Which skills from the design and technology programme of study does this lesson develop?
What is the purpose of this activity?
Does it introduce a new skill, consolidate a skill or apply and extend a skill?

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Gosod Problem i ddatrys

Soniwyd yr erthygl yn y wasg am arolwg Estyn eich ysgol chi, canolbwyntiwyd ar ysbryd entrepreneuriaid yr ysgol a defnydd effeithiol o gwricwlwm Cymreig. Mae siop leol wedi cysylltu â'r pennaeth.

Gofynnwyd perchennog y siop i'r ysgol cynhyrchu cardiau "dathlu" mecanyddol gyda dimensiwn lleol neu Gymraeg i'r thema.

Set Problem to Solve

A local shop has contacted the headteacher after reading in the press that the school made excellent use of Cwricwlwm Cymreig in an ESTYN report that also highlighted the entrepreneurial spirit of the school.

The shop would like the school to produce mechanical greetings card with a local or Welsh dimension to the theme.

Rotary / Cylchdro

Oscillating / Osgiliadol

Reciprocating / Cilyddol

Linear / Llinol



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