

◀	Blwyddyn 4	Blwyddyn 5	Blwyddyn 6	▶
	LLUNYR ② Data a meddwl cyfrifiadurol	ELLEN Llythrennedd gwybodaeth a data		
	Mae dysgwyr yn gallu: dechrau creu setiau data a thynnu gwybodaeth ohonynt, e.e. casglu ac adlo gwybodaeth mewn i dabl. Syniadau ar gyfer tasgau dosbarth	Mae dysgwyr yn gallu: chwilio a dadnoddod setiau data, gan uwchloesu perthnasoedd o'u mewn. Syniadau ar gyfer tasgau dosbarth	Mae dysgwyr yn gallu: adeiladu a holi setiau data i brofi neu gefnogi ymchwilad. Syniadau ar gyfer tasgau dosbarth	

◀	Year 4	Year 5	Year 6	▶
	STRAND ② Data and computational thinking	ELEMENT Data and information literacy		
	Learners are able to: begin to create data sets and extract information from them, e.g. gather and add information to a table. Classroom task ideas	Learners are able to: explore and analyse data sets, highlighting relationships within them. Classroom task ideas	Learners are able to: construct and interrogate data sets to test or support an investigation. Classroom task ideas	

Cronfa Data - Database	
Beth yw eich profiadau chi o ddefnyddio cronfa data?	What are your experiences of using databases?
Enghraifft o gronfa data	Examples of a database
Cyflwyno'r iaith	Presenting the language
1. Cynllunio'r gronfa data 2. Adeiladu'r gronfa data 3. Llenwi'r data 3b. Gwaith cartref yr athro 4. Chwilio am wybodaeth a chynhyrchu adroddiad / graffiau	1. Planning a database 2. Build the database 3. Enter the data 3b. Teacher's homework 4. Query / interrogate the database and find information and create a report / graphs

 chwarae • dysgu • tyfu play • learn • grow cyfnod sylfaen 3–7 foundation phase	
Y saith Maes Dysgu yw: The Seven Areas of Learning are:	
Datblygiad Personol a Chymdeithasol, Lles ac Amrywiaeth Ddiwylliannol	Personal and Social Development, Well-Being and Cultural Diversity
Sgiliau iaith, Llythrennedd a Chyfathrebu	Language, Literacy and Communication Skills
Datblygiad Mathemategol	Mathematical Development
Datblygu'r Gymraeg	Welsh Language Development
Gwybodaeth a Dealltwriaeth o'r Byd	Knowledge and Understanding of the World
Datblygiad Corfforol	Physical Development
Datblygiad Creadigol	Creative Development

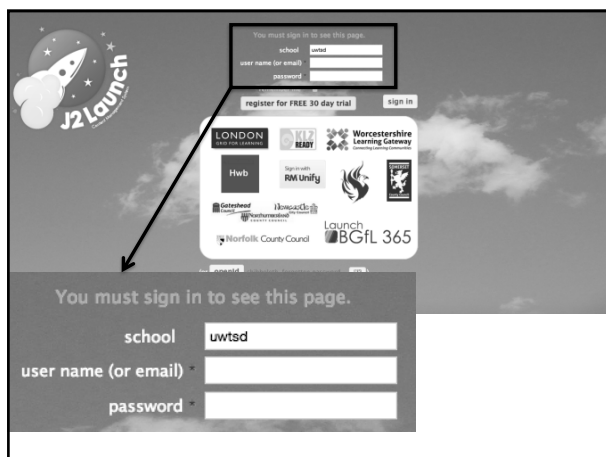
Cyfnod Allweddol 2 Key Stage 2

Darganfod a dadansoddi gwybodaeth Find and analyse information

Dylid rhoi cyfleoedd i'r disgyblion:
4. cynhyrchu a defnyddio cronfeydd data i ofyn ac ateb cwestiynau, e.e. *chwilio, didoli a graffio*

Pupils should be given opportunities to:
4. produce and use databases to ask and answer questions, e.g. search, sort and graph.

4. J2E: Database a Branch, PurpleMash: 2Investigate.



You must sign in to see this page.

school	uwtsd
user name (or email) *	
password *	

Pupil username in year 1:
myf101 – myf125 password: student
Pupil username in year 2:
myf201 – myf225 password: student
Pupil username in year 3:
myf301 – myf325 password: student
Pupil username in PGCE:
myfp01 – myfp25 password: student

You must sign in to see this page.

school

user name (or email) *

password *

Personal teacher: your student number
 Password Year 1: athrofa17
 Password Year 2: uwtsd16
 Password Year 3: uwtsd15
 PGCE Password: athrofa17

Allwedddeiriau y Cronfa Data – Database Keywords

Meysydd / Fields

Maes yw darn o ddata mae rhywun angen cadw ac ymchwilio.

A **field** is an individual piece of information you want to store and investigate

Mae record yn gasgliad o feysydd sydd yn gwneud ffeil data e.e. Bydd un record i bob disgybl mewn holiadur dosbarth.

A **record** is a collection of **fields** that make up a part of a **datafile** e.g. there would be one **record** for each pupil in a class survey

Cofnod / Record

record 1 of 1

Name: Alun Thomas

Age: 37

Birth Month: Feb

Hair Colour: Brown

Eye Colour: Brown

Fav Food: Italian

Fav TV: Comedy Panel show

Tasg Cronfa data – Database Task

Gwahanwch mewn i grwpiau o 4 neu 5.

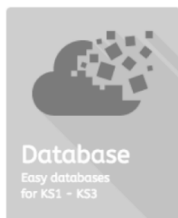
Dewiswch thema. Fi fy hun

- Rôl yr athro
1. Cynllunio'r gronfa data
 2. Adeiladu'r gronfa data
 3. Llenwi'r data
 - 3b. Gwaith cartref yr athro
 4. Chwilota'r gronfa data
 5. Graff

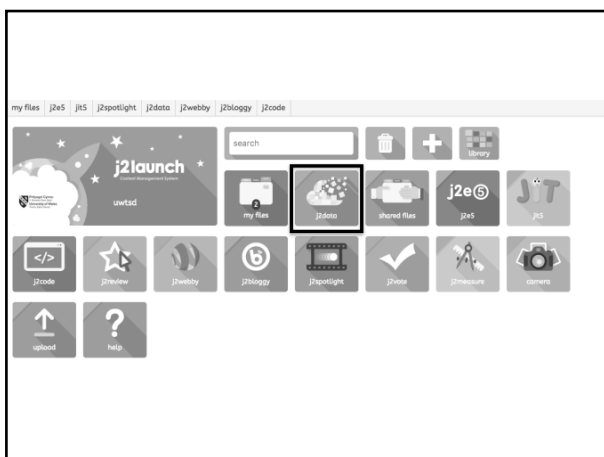
Separate into groups of 4 or 5.

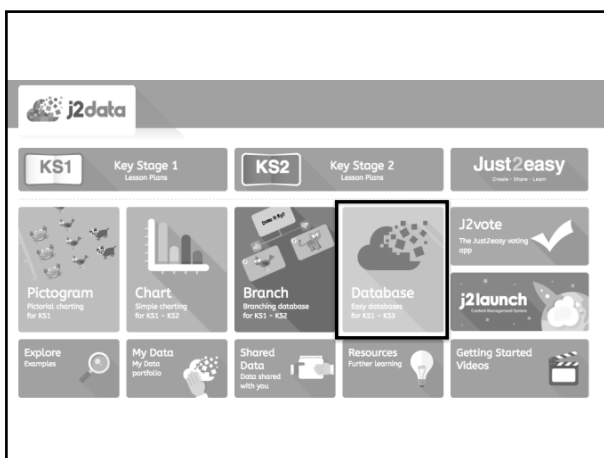
Choose a theme. Myself

- Role of the teacher
1. Planning a database
 2. Build the database
 3. Enter the data
 - 3b. Teacher's homework
 4. Interrogate the database
 5. Graph



Talking point (1984) MEP Primary Project UK [VHS]





database

NEW

LOAD

SAVE

LINK

SHARE

EXAMPLES

ABOUT

define

form

table

chart

options

field name

type

unique

default

units

text

☐

☒

Enw'r Maes

Name of the Field

Math o Faes

Type of Field

Ychwanegwch
faes newydd i'r
cofnod

Add a new field to
the record

Name	text	☐	☒		
Age	number	☐	☒		
Birth Month	list	☐	☒	Sep Oct Nov Dec	
Hair Colour	list	☐	☒	White Grey None Other	
Eye Colour	list	☐	☒	Green Hazel Grey Other	
Fav Food	list	☐	☒	Roast dinner Fish and Chips Burger and Chips Pizza	
Fav TV	list	☐	☒	Film Documentary Entertainment	

database

NEW

LOAD

SAVE

LINK

SHARE

EXAMPLES

ABOUT

share - Ourselves

☒ publish ☐ password ☒ private

lock database ☐

shared with

add

link embed thumbnail invite by email

http://www.j2e.com/uwtsd/myf101/Ourse

share - Ourselves

☒ publish ☐ password ☒ private

lock database ☐

shared with

my class

2

3

add

x

link embed thumbnail invite by email...

http://www.j2e.com/uwtsd/myf101/Ourselfs/

5

search [] sort by [entered] [] []

record 1 of 1

Name Alun Thomas

Age 37

Birth Month Feb

Hair Colour Brown

Eye Colour Brown

Fav Food Italian

Fav TV Comedy Panel show

[] []

define form table chart options

search [] record 1 to 5 of 5

Name	Age	Birth Month	Hair Colour	Eye Colour	Fav Food	Fav TV
Tim Burton	62	Aug	Grey	Blue	Roast dinner	Documentary
Alun Thomas	37	Feb	Brown	Brown	Italian	Comedy Panel show
Catharine Bleasdale	21	Apr	Brown	Brown	Other	Drama
Slone Hughes	21	Jun	Red	Blue	Roast dinner	Documentary
Carys Richards	21	May	Brown	Blue	Fish and Chips	Entertainment

define form table chart options

Age > 21 record 1 to 2 of 2

Name	Age	Birth Month	Hair Colour	Eye Colour	Fav Food	Fav TV
Tim Burton	62	Aug	Grey	Blue	Roast dinner	Documentary
Alun Thomas	37	Feb	Brown	Brown	Italian	Comedy Panel show

Chwilota yn defnyddio un cwestiwn yn y gronfa data
A query using one question to interrogate the database

Chwilota yn defnyddio sawl cwestiwn yn y gronfa data
A query using many questions to interrogate the database

Dewis AND neu Or
Choose AND / OR

Age > 21 AND Fav TV = Comedy Panel show record 1 to 1 of 1

Name	Age	Birth Month	Hair Colour	Eye Colour	Fav Food	Fav TV
Alun Thomas	37	Feb	Brown	Brown	Italian	Comedy Panel show

defineformtablechartoptions

value

hair colour

hair colour

Red

Grey

Green

3d

stack

Sicrhewch bod yna ddim chwilota wedi digwydd mae'n effeithio data'r graff

Make sure there are no queries – it affects the graph's data

j2data

KS1Key Stage 1Lesson Plans

KS2Key Stage 2Lesson Plans

Just2easyCreate - Share - Learn

PictogramPictorial charting for KS1

ChartSimple charting for KS1 - KS2

BranchBranching database for KS1 - KS2

DatabaseEasy databases for KS1 - KS2

J2voteThe Just2easy voting app

j2launch

ExploreExamples

My DataMy data portfolio

Shared DataData shared with you

ResourcesFurther learning

Getting StartedVideos

writepaintbulletchartpictogramanimatebranch

templatespicturesbox

blankbeachparkiceberg

more

sort

Animals

Fairy Tales

Aliens

Clashes

Mini-beasts

Faces

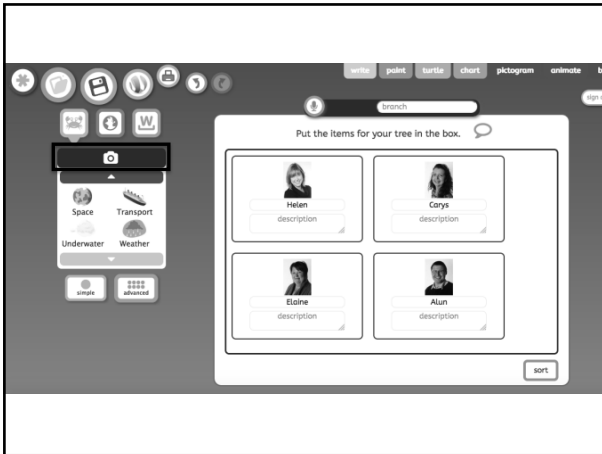
Dinosaurs

Body Parts

Food And Drink

People

7







Put the items for your tree in the box. 



title

description



Helen

description



Carys

description



Elaine

description

Put the items for your tree in the box. 



Mathew

description



Helen

description



Carys

description



Elaine

description



Mathew

Cofiwch un "t" / Remember one "t" 

Put the items for your tree in the box. 



Tim

description



Tom

description



Heddwen

description



Mathew

description

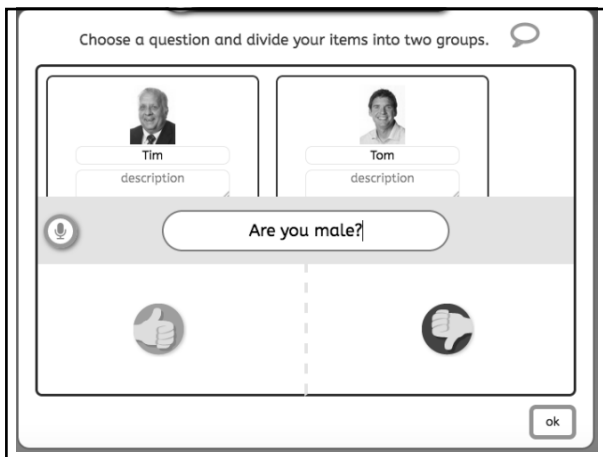


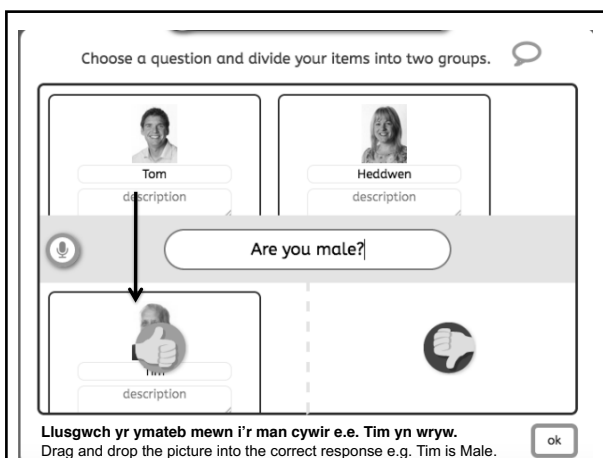
Mae angen ffurfio cwestiynau er mwyn gwahaniaethu'r bobl, cymeriadau, gwrthrychau, creadur ayb...

You have to form questions to separate the people, characters, objects, creatures etc...

Mae'r cwestiwn yn gorfod fod yn ymateb "ie neu na".

The questions you do ask must have a "yes or No" response.



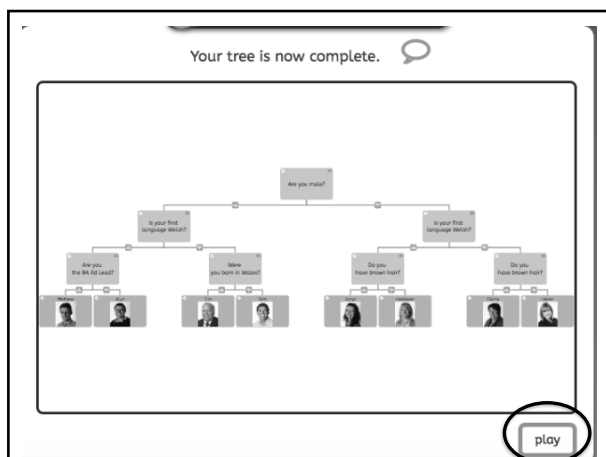


Bydd angen gwahanu
eto ar ôl darganfod pwy
sy'n wryw neu'n benyw.

You will have to
separate them again
after discovering who is
male or female.

Parhewch ofyn
cwestiynau "ie neu na"
tan eich bod chi wedi
gwahanu nhw gyd.

Continue to do this by
asking "yes or no"
questions until you have
separated them all.



Y Cyfnod Sylfaen a Cyfnod Allweddol 2 Foundation Phase and Key Stage 2

Datblygiad Personol a Chymdeithasol, Lles
ac Amrywiaeth Ddiwylliannol

Sgiliau Iaith, Llythrennedd a Chyfathrebu

Datblygiad Mathemategol

Datblygu'r Gymraeg

Gwybodaeth a Dealltwriaeth o'r Byd

Datblygiad Corfforol

Datblygiad Creadigol

Cyfnod Allweddol 2

Personal and Social Development, Well-Being
and Cultural Diversity

Language, Literacy and Communication Skills

Mathematical Development

Welsh Language Development

Knowledge and Understanding of the World

Physical Development

Creative Development

Key Stage 2



Y saith Maes Dysgu yw:
The seven areas of Learning are:

Datblygiad Mathemategol
Byddant yn defnyddio amrywiaeth o adnoddau TGCh fel dulliau archwilio rhif, cael data bywyd go iawn a chyflwyno eu casgliadau.

Mathematical Development
They use a variety of ICT resources as tools for exploring number, for obtaining real-life data and for presenting their findings.

Cyfnod Allweddol 2
Key Stage 2

Darganfod a dadansoddi gwybodaeth
Find and analyse information

5. cynhyrchu a defnyddio modelau a/neu efelychiadau i ofyn ac ateb cwestiynau, e.e. defnyddio taenlen i gyfrifo a graffio gwerthiant mewn siop

5. produce and use models and/or simulations to ask and answer questions, e.g. use a spreadsheet to calculate and graph sales in a shop

5. Google spreadsheet, Excel, Purplemash: 2Graph, JIT/J2E: Pictogram, Chart

Tasg Taenlenni – Spreadsheets Task

Gwahanwch mewn i grwpiau o 4 neu 5.

Dewiswch thema. Siop yr ysgol

Tafleddu Gwaith: Trafnidiaeth
Ble ni'n byw

Rôl yr athro
Enghreifftiau

Separate into groups of 4 or 5.

Choose a theme. School shop

Worksheets: Transportation
Where we live

Role of the teacher
Examples
