Ysgol Bryn Gwalia



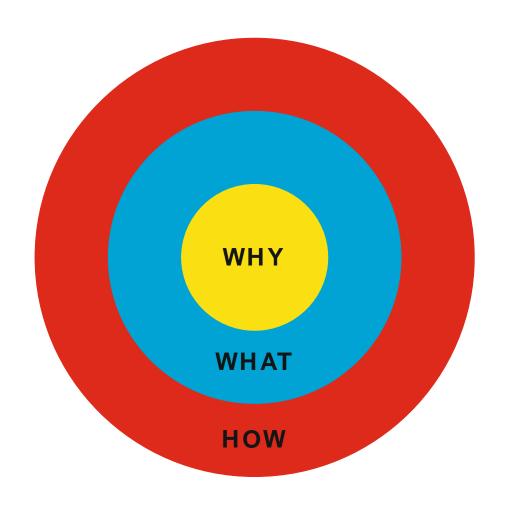
The report: Successful Futures

Successful Futures

Independent Review of Curriculum and Assessment Arrangements in Wales

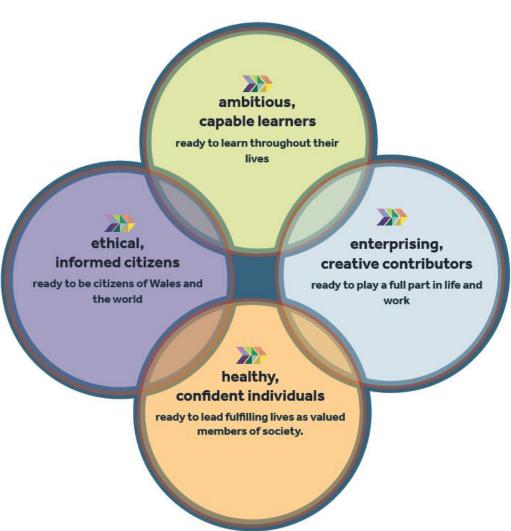
Professor Graham Donaldson CB February 2015





Purposes of the curriculum

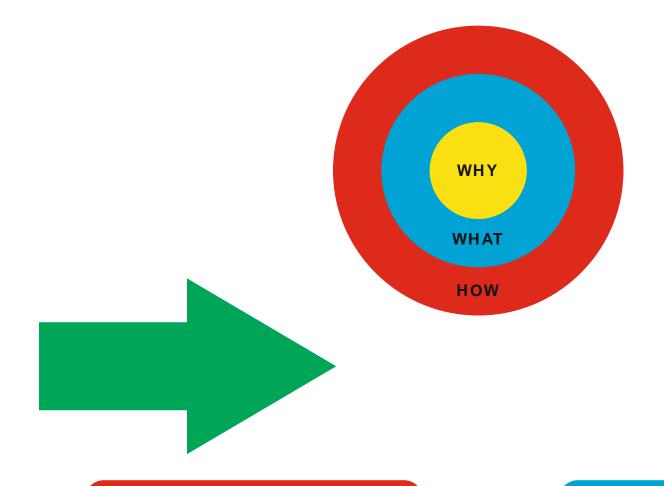




Learn from limitations of past reform.

Mobilise around clear and compelling overall vision —be clear about what matters —structures should follow not lead.

Professor Graham Donaldson CB



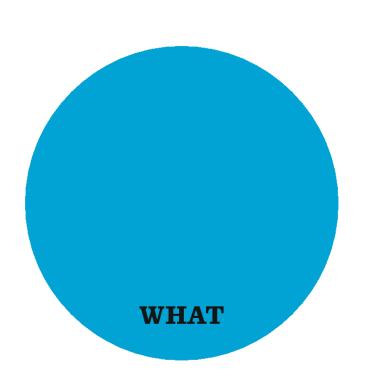
BREADTH

KNOWLEDGE

DEPTH

SKILLS

Curriculum structure



Six Areas of Learning and Experience: -

- ✓ Expressive Arts
- ✓ Health and well-being
- ✓ Humanities
- ✓ Languages, literacy and communication
- ✓ Mathematics and numeracy
- ✓ Science and technology

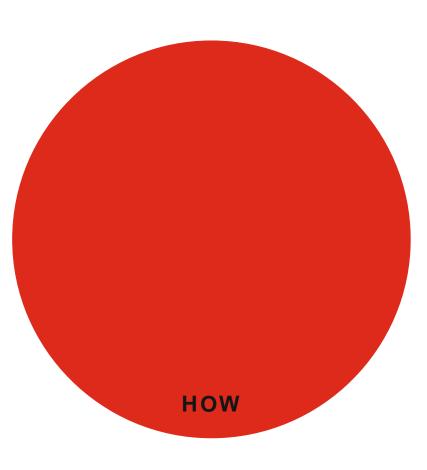
Three cross-curriculum responsibilities: -

- ✓ Digital competence
- ✓ Literacy
- ✓ Numeracy

Characters, attributes and values Creativity and of wider Innovation Able to generate original ideas skills Develop curiosity and inquisitiveness Demonstrate courage to explore and develop their ideas Ability to turn ideas into action Growth Plan and manage projects Mindfulness Mindset Identify opportunities Acting upon opportunities and ideas and transform them into value for others. The created value can be financial, cultural or social **Critical Thinking and Problem Solving** Planning and Take risks Organising Analyse and understand **Express** How the ideas are Asking questions their implemented Evaluating information and opinions Setting goals situations Work **Decision making** Being objective looking at collaborative Time management opposing views (strengths and Choosing strategies - trial weaknesses) Adaptability and evaluate Blooms Taxonomy questioning Persistence Monitoring and reflecting on Challenging perceptions Resilience results Identify potential solutions Learn from Adapting Justify decisions mistakes Check for accuracy Identify and develop argument Responsibility and reliability Manage resources Self- aware Confidence and self esteem Emotional intelligence Evaluating own learning / strengths Metacognition and areas for development Independence Leadership Social and cultural awareness, ethics Personal

Effectiveness

12 Pedagogical Principles



Good teaching and learning;

- Maintains a consistent focus
- challenges all learners
- Employs a blend of approaches
- Employs a blend of approaches including those that promote problem solving, creative and critical thinking
- sets tasks and selects resources that build on previous knowledge and experience and engage interest
- creates authentic contexts for learning
- employs assessment for learning principles
- ranges within and across Areas of Learning and Experience
- regularly reinforces Cross-curriculum Responsibilities, and provides opportunities to practise them
- encourages pupils to increasingly take responsibility for their own learning
- supports social and emotional development and positive relationships
- encourages collaboration



Ysgol Bryn Gwalia



The Leonardo **Effect Curriculum**

Pupil driven,

multi

disciplinary

curriculum

Enquiry

approach

The curriculum

Authentic first hand experiences

Flexibility in presentation of knowledge and understanding Fusion of Art and Science

Pupil voice

Problem

solving

Critical

Collaboration

Pupils learn through ...

thinking

THE FOUR PURPOSES Highlight the skills that are covered by pupils during the course of the inquiry. ambitious, capable learners who: enjoy challenge are building up a body of knowledge and have the skills to connect and apply that knowledge in > are questioning and enjoy solving problems > can communicate effectively in different forms and settings, using both Welsh and English Can explain the ideas and concepts they are learning about Can use number effectively in different contexts. understand how to interpret data and apply mathematical concepts use digital technologies creatively to communicate, find and analyse information > undertake research and evaluate critically what they find and are ready to learn throughout their lives. healthy, confident individuals who) have secure values and are establishing > have secure values and are estationing their spiritual and ethical beliefs > are building their mental and emotional well-being by developing confidence, estilence and empath > apply immoditing about the impact of dat and exerci on physical and mental health in their daily lives enterprising, creative contributors who:) connect and apply their knowledge and skills to create ideas and products think creatively to reframe and solve problems identify and greap opportunities I know how to find the information and support to keep safe and well take part in physical activity take measured decisions about lifestyle and take measured risks lead and play different roles in teams effectively and responsibly manage risk have the confidence to participate in performance expresside as and emotions through different media give of their energy and skills so that other I form positive relationships based upon trust and and are ready to play a full part in life and work. I have the skills and knowledge to manage everyday. valued members of society. ethical, informed citizens who:) find, evaluate and use evidence in forming view engage with contemporary issues based upon their knowledge and values or novelege and results their human and democratic responsibilities and rights a understand and consider the impact of their actions. when making choices and acting are knowledgesiste about their culture, community, society and the world, now and in the past. I respect the reads and rights of others, as a member of a diverse society I show their commitment to the sustainability of the planet and are ready to be citizens of Weles and the world.

Characters, attributes and values of wides Skills Mindfulness Mindfu

WIDER SKILLS

SCIENCE AND TECHNOLOGY PLANNING



STAGE I: Research/observation/gathering information

What experiences will the children have to inspire and engage? What opportunities will they have for initial research and information gathering?

| | - |
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| hild generated lines of inquiry mind map | |
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STAGE 2: Experimentation and development of ideas

| SPECIAL INTEREST GROUPS | | | | |
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INQUIRY QUESTION:

| \$ | SCIENCE | |
|--|---------------------------|----------------------------|
| TOPIC | | YEAR |
| | | |
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| | | |
| | BIG IDEAS | |
| Ideas of Science | | |
| I. All matter in the Universe is made up of | very small particles | |
| 2. Objects can affect other objects at a dist | rance | |
| 3. Changing the movement of an object rea | uires a net force to b | e acting on it |
| 4. The total amount of energy in the Univers | | but can be transferred |
| from one energy store to another during 5. The composition of the Earth and its atm | | cess occurring within them |
| shape the Earth's surface and its climate | oopiiai o aiia iiio pi o | |
| 6. Our solar system is a very small part of | one of billions of gala | ixies in the Universe |
| 7. Organisms are organised on a cellular bas | is and have a finite lit | fe span |
| 8.Organisms require a supply of energy and compete with, other organisms | materials for which | they often depend on, or |
| 9. Genetic information is passed down from | one generation of or | ganisms to another |
| 10. The diversity of organisms, living and ext | tinct, is the result of o | evolution |
| Ideas about Science | | |
| II. Science is about finding the cause or cau | ise of phenomena in t | the natural world |
| 12 Scientific explanations, theories and mod available at a particular time | dels are those that be | est fit the evidence |
| The knowledge produced by science is us products to serve human ends | sed in engineering and | technologies to create |
| M. Applications of science often have ethica | l social economical a | nd political implications |
| | | |
| WELSH DIMENSION | | |
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| INTERNATIONAL DIMENSION | | |
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| CROSS-CURRICULAR RESPONSIBILITIES | | | | |
|--|-------------------|---|--|--|
| Mindmap/s to record other curriculum skills. Areas covered from the PoS, A | oLEs, and t | he three cross-curricular responsibilities: Literacy, Numeracy and Digital Competence | | |
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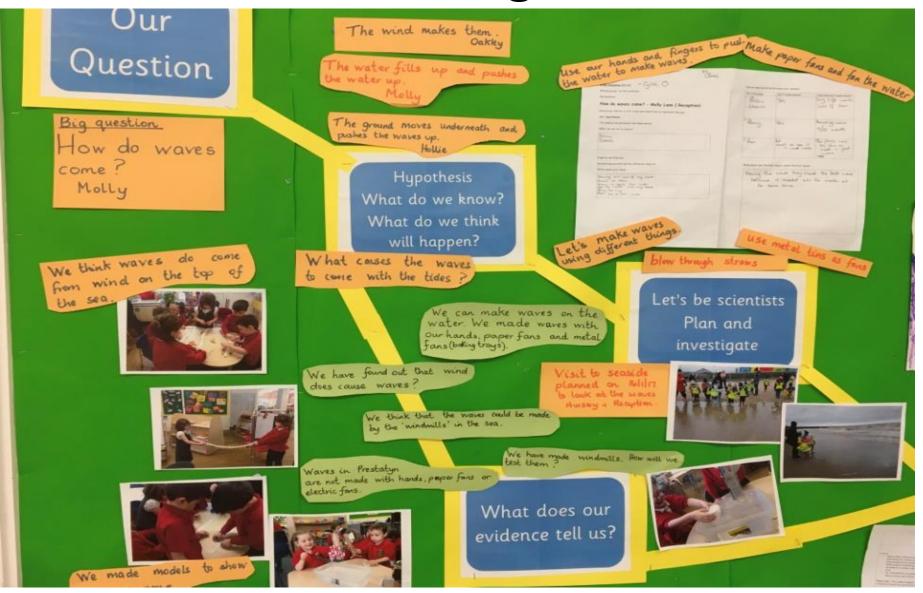
STAGE 4: Extension Assessment as Learning: The Five P's

| | Record of chosen format for each child Include a brief description of the work and signpost where this can be found. |
|--|--|
| PUBLICATION any printed or electronic work, made for distribution | |
| Examples: * Poster * Leaflet | |
| * Art work * Story * Letter | |
| PERFORMANCE an act of presenting a play. concert, or other form of entertainment | |
| Examples: Play Concert Dance | |
| * Comedy sketch * Sporting performance | |
| PRESENTATION a speech or talk in which a new product, idea, or piece of work is shown and explained to an audience Examples: | |
| * PowerPoint * Keynote * Demonstration * Talk | |
| PROGRAMME <u>a broadcast on television</u> <u>or radio, or a collection of instructions to be executed</u> | |
| by a computer Examples * News programme * Radio show * Computer game * App | |
| PRODUCTION an item made from | |
| components or raw materials, or management of a film, play or record Examples: | |
| * Model * Structure * Staging/lightening * Editing of film | |

How do waves come?



A working wall



Making a wave - Reception ...





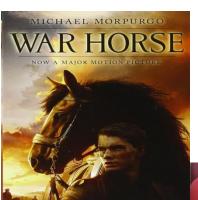












The pupils lead the learning

War and Peace

First hand experiences



Our involvement with Pioneer schools

Strand 1 – Wider skills WD & IP

OECD – schools as a learning organisation

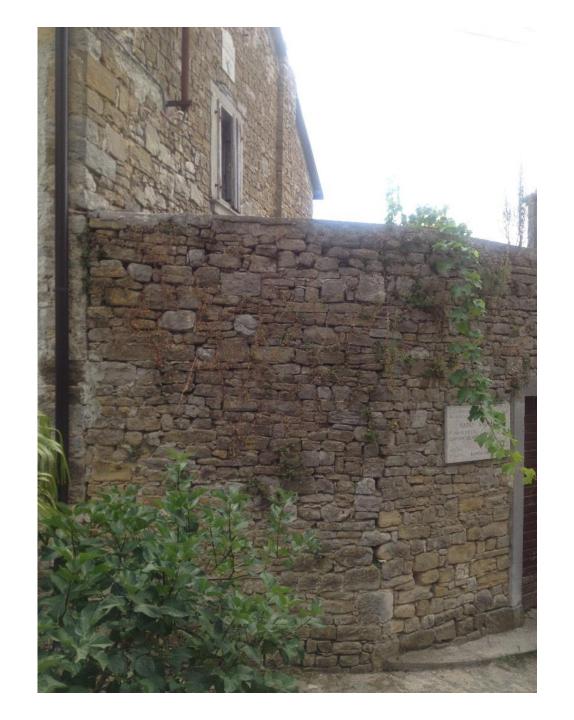
Strand 2 – creation of AOLE for

Pilot school – new teacher standards

Expressive Arts

Strand 3 – Population of AOLEs

Arts Champion (The Arts Education Network for North Wales)







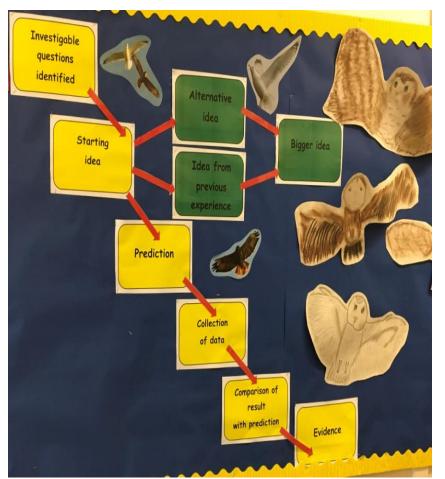
If everything seems under control, you're just not going fast enough.

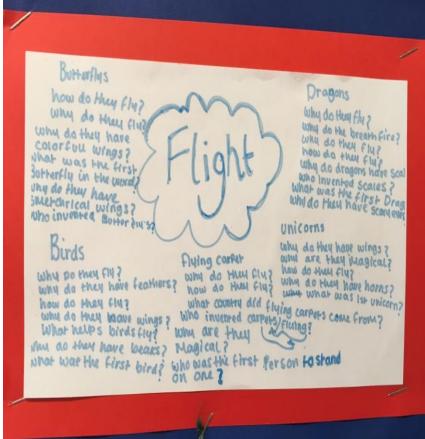
— Mario Andretti —

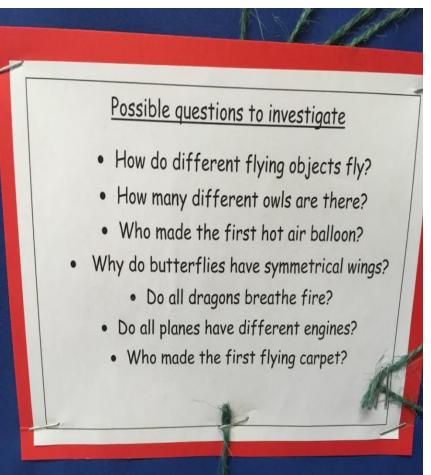
AZ QUOTES

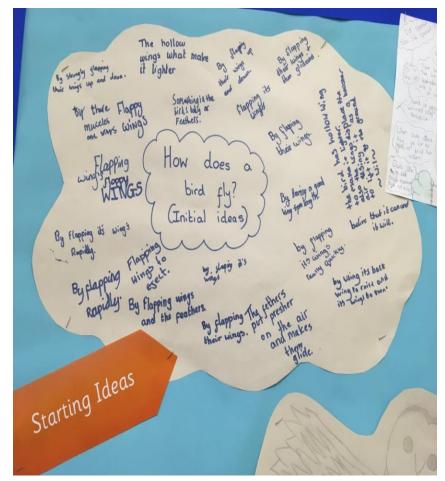
March 17th 2017 aged 77













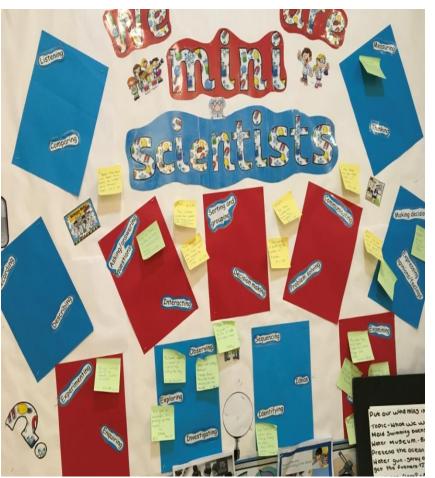














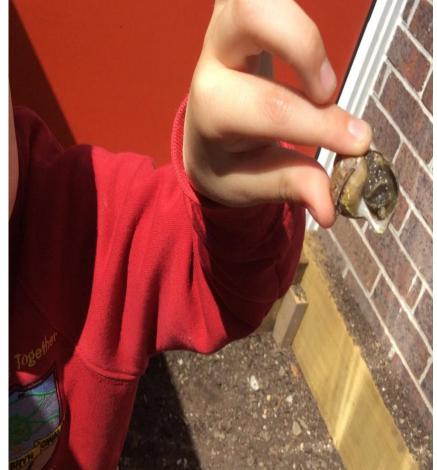


















. Questions?
Do all coterpillars?
turninto butterflies? at the bottom of the Tyler. "his legs are tiny" . How do they change inside the cocoon?—Melly. . Why do they move Like waves?—Billy. when he is bigger he will make a cocoon for himself and he will turn into a butterfly. Billy. How long do they take to change ! - Erin . · How many eggs
does a butterfly
lay? — Billy. they have · How do they make Keira are dancing." the Locoon the cocoon is Enn. like a sleeping bag. Billy.













































