



Why Plan for Play?

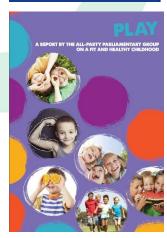




Outdoor Play and Learning



Supporting school improvement through play An evaluation of South Gloucestanshim's Outdoor Play and Learning Programme Start Laster, Dr Grein Jones, Wendy Insael



'...participation in the OPAL Programme has the potential to reap considerable benefits for children, parents, schools and the wider community.' - *Independent Report NCB*

OPAL cited four times as good practice All Party Parliamentary Group 2015



'I have been in education for 15 years, and by a long way this is the most successful and rewarding project I have ever been involved with.' **Andrew Lynham - Head Teacher**

Expertise?

of these terms because that type of energy exchange is not taking place. The relationship that represents the water flow in a water rocket is: $\frac{P_1}{\rho} + \frac{(V_1)^2}{2g} = \frac{P_2}{\rho} + \frac{(V_2)^2}{2g}$ where P=bottle pressure, ρ =water mass density, V=water velocity, and g=gravitational constant. If we assume that the initial water velocity inside the bottle (V1) is zero and the gauge pressure outside the bottle (P2) is zero, this equation reduces to: $\frac{P}{\rho} = \frac{V^2}{2g}$. If we use the units of slugs/ft^2 in our density term, the gravitational constant cancels out to make $\frac{P}{\rho} = \frac{V^2}{2}$. We compute exit velocity then by $V = \sqrt{\frac{P}{\rho} * 2}$. The mass flow rate is the throat area times velocity times density. $\dot{M} = \pi * r^2 * V * \rho = A_t * V * \rho$ But thrust is $F = \dot{M} * V$ So $F = A_t * V^2 * \rho$ but $V^2 = 2 * \frac{P}{\rho}$ which yields $F = A_t * 2 * P * \frac{\rho}{\rho} = 2 * A_t * P$

We have simplified the equations by neglecting fluid turbulence, fluid viscosity, fluid friction, and other things. These neglected factors combined only account for a very small percentage of the total thrust so this approximation is pretty good. The instantaneous change in

weight of the water rocket as previously mentioned is $\dot{M} = \pi * r^2 * V * \rho = A_i * V * \rho$ but $V = \sqrt{\frac{P}{2} * 2}$ so

🥝 Internet 🛛



Play – How important was it to you?





Play makes up 20% of school life

Play Other Per Year 231 hours 37 days 7.4 weeks

Primary Years 1.4 years



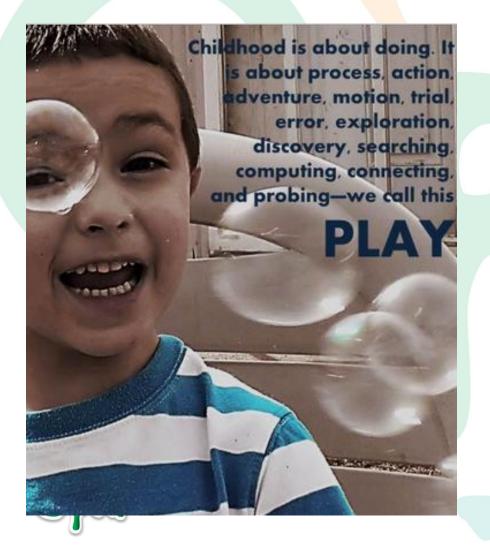


Play enables children to acquire life's essential skills and knowledge that cannot be taught

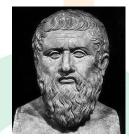




We do not have to choose between play and learning

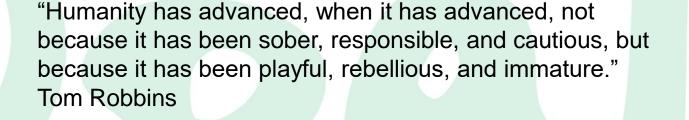


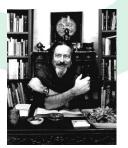
Children need to **PLAY** to CONSTRUCT KNOWLEDGE PROBLEMLEARNCREATE SOLVE PROCESS EMOTIONS LISE EXPERIENCES **DISCOVER**CHALLENGE BE HEALTHY THEMSELVES LAUGH & HAVE FL LEARN TO WORK IMAGINE **TOGETHER LEARN TO LEAD** EXPRESS EXPLORE SPEAK READ MANAGE Becaus



"You can discover more about a person in an hour of play than in a year of conversation." Plato







"This is the real secret of life -- to be completely engaged with what you are doing in the here and now. And instead of calling it work, realize it is play." Alan W Watts



"Combinatory play seems to be the essential feature in productive thought."

<u>Albert Einstein</u>

Childhood has Changed

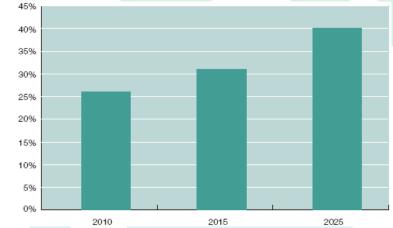


TRAFFIC



















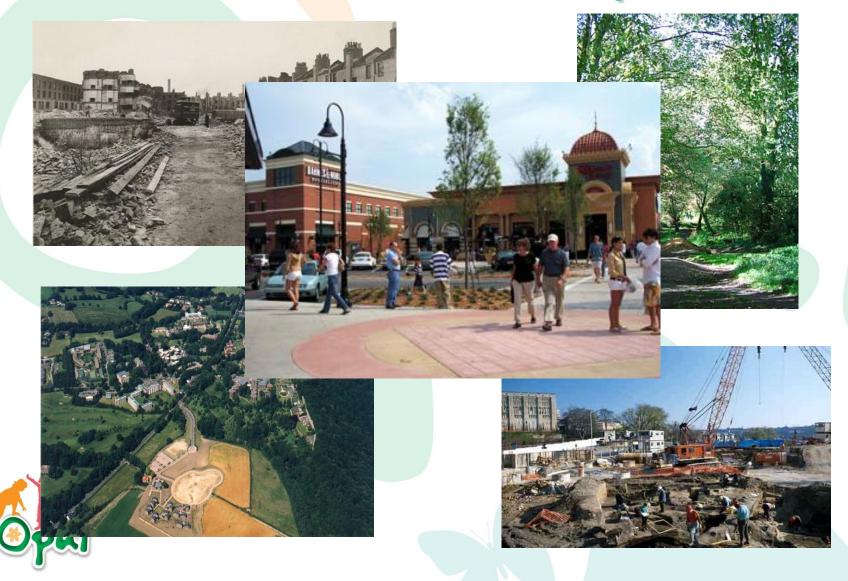
Shared public space

Disproportionate Fear

No Win No Fee

Risk Aversion

Loss of Informal Space



Loss of play at home









BUSY LIFESTYLES















LACK OF VISION









Landscapes for Play

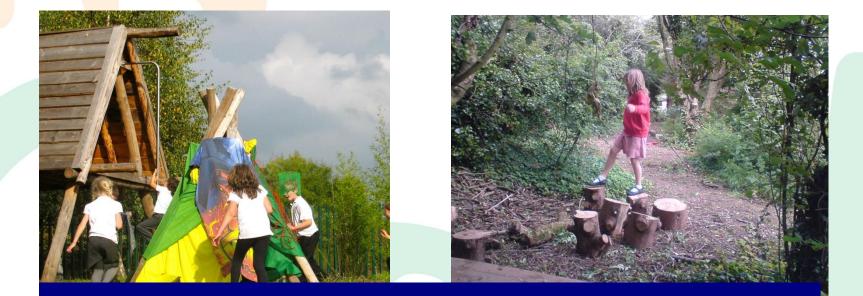












OPAL helps schools to create landscapes for play and learning







Effects



Childhood obesity in UK. One in five obese rising to USA levels – BMA-



In terms of cognitive and conceptual development, 11and 12-year-old children in year 7 are "now on average between two and three years behind where they were 15 years ago", - Prof M Shayler



The playing range of children 8-14 has decreased by 80% in 20 years









 2007 National Health and Safety Executive— Absolute safety is neither desirable or achievable



Judith Hackett Head of the Health and Safety Executive



"The creeping culture of risk-aversion and fear of litigation also puts at risk our children's education and preparation for adult life," she said.

"Children today are denied – often on spurious health and safety grounds – many of the formative experiences that shaped my generation.

"Playgrounds have become joyless, for fear of a few cuts and bruises. Science in the classroom is becoming sterile and uninspiring."

"Our message to bureaucrats who perpetuate these myths is clear. Own your own decisions.

"Don't use health and safety law as a convenient scapegoat or we will challenge you."



'the risk from playing conkers is incredibly low and just not worth bothering about.' H&S EXEC 2008'



Health and Safety Executive

Play is the best form of exercise

Agreement by: American Centre for Disease Control and British Medical Association

BBC November 2008

'Running around like a child in a playground may be better for you than traditional grown-up ways of taking exercise like jogging and cycling.' University of Glamorgan Baker and Davis 2008





Well Being and Quality Childhood

Play



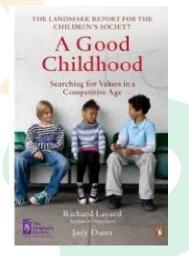
Managing Risk in Play Provision: Implementation guide

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Common Sense Common Safety

A report by Lord Young of Gradfham to the Prime Minister following a Whitehall orde review of the operation of health and unity laws and the growth of the compensation rulnue

御HMGovernment



Letting Children be Children

Report of an independent Review of the Communication and Securitation of Childhood by Reg Bailey







Design for Play: A guide to creating successful play spaces



An overview of child well-being in rich countries

A comprehensive assessment of the lives and well-being of children and adolescents in the economically advanced nations

The owner shifts

unicef



Welfare standards for organic and 'free-range' chickens and eggs







Table 1 Comparison of standards for or	ganic and 'free-range'	' chickens - poultry meat
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	Soil Association	Other organic certifiers	Free-range
Flock size	1,000 birds	4,800 birds, but can be as	No limit (typically
	(500 recommended) ⁱⁱ	many as 9,000	several thousand)
Fresh grass (resting	At least 2 months a year	At least 2 months a year	No requirement for
pasture)	+ an extra year in every three		resting land
Time spent roaming	At least 2/3 of lifetime	At least 1/3 of lifetime	At least 1/2 of
outside (outside access)			lifetime

What are OPAL schools like?

They are more.....

Playful

Play Team



Mrs Watson



Miss Watkins



Mrs Rich



Mrs Underwood

Mrs Dix

Child Friendly

Caring





Creative

Collaborative

Inclusive





Listening



Adventurous

Challenging

Fun





What can we do?

- Help provide loose parts
- Ensure your child has warm coat and welly boots
- Be dirt tolerant
- Build competence



I dream of a world

where chickens can cross the road without having their motives questioned

Every child and young person has the right to rest, play and leisure.



Contacts

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