



Toddler Group

Preschool

After School

ECCE Scheme

Further Education

"Promoting and Supporting rural development through the provision of Childcare and Community Services."



Úlla Beag Childcare Childminding; Pre & After school; Yoga; Kindermusik Parental Handbook.

ULLA BEAG CURRICULUM STATEMENT

At Ulla Beag we are an inclusive green school our curriculum is Play based learning delivered through Aistear. We received our Siolta Quality Framework validation in June 2018 after a 3 year program of process development and introduction of a quality management framework .

By adapting a child centered learning approach we promote a creative learning environment providing equal opportunities for all children. We place high value on nutritional learning running our own school garden with the children and outdoor play experiences. Aistear is an emergent curriculum where childrens' interests are paramount and they influence our long term , short term and day to day planning.(Identity and Belonging)

Children's likes and interests are documented through direct consultation with the children, collaboration with parents and real time observations. (Communication)

Uninterrupted Play based learning is how children learn optimally and by designing the correct environments we provide opportunities for the development of multi-layered complex levels of play. While your child is at Ulla Beag we create a learning environment which provides your child with varied play opportunities to:

- Develop their self confidence, self management ; independence, creativity, resilience, and problem solving skills . Develop active sports skills ; yoga and meditative skills, active listening skills through storymaking and story telling.(Well Being)
- Learn about social relationships through individual small and large group play, learn about their environment around them, develop language, music, art, science, gardening and pre maths' skills ; develop reasoning and language skills. (Exploring and Thinking)
- Develop positive attitudes to themselves , others and a love of continual learning which promotes seamless transitions ; developing a sense of individual and group identity and belonging while meeting each individual child's emotional, developmental and physical needs . (ET,WB)



Our Green Code

ÚbBeag

Ú can make a change

Look at the world around you

Love the world around you

Act now

Begin with our steps to making a change

Everyone makes a difference

And now

Get going !!

Úlla Beag where children learn to care for and respect themselves, each other and our environment.

What is New 2019/2020

- We again successfully passed our annual Tusla Sessional and Tusla Childminding Audits
- We are working on our Biodiversity flag for recognition in May 2020.
- We successfully completed our 3 years work on introduction of a Siolta Quality management framework being accredited at the highest level – level 4 detail endorsed.
- Rhona has Mindfulness for children training.
- Denise has begun forest leadership training.
- Elaine Quinton has completed her first year in her Masters in Childhood studies with NUI.
- Denise & Rhona have completed the Hanen language developmental program.
- Denise has completed level 1 Lamh training and we have rolled out a number of words & signs to the preschool group.
- We successfully completed our first Department of Education and Skills Curriculum inspection receiving Very Good & Excellent ratings in the four key areas of curriculum. Detail included.
- NCS – the National Childcare Scheme will launch in Oct/ Nov 2019 Information included in the presentation.
- Regulated Afterschool Adult to Child Ratio 1: 12 implemented from 2nd Sept 2019
- Newly documented Authorised Collections and Medication Administration Policies have been emailed to all and can be found on our website :



Green School Management

Through participation in the Green Schools Program with An Taisce at Úlla Beag we have been able to raise the environmental awareness for our pre and afterschool children and their families.

By integrating the Green Schools Program into our overall Pre and Afterschool curriculum in line with Aistear we have established a sustainable green focus including litter and waste management program which allows us to use recycled materials on a daily basis and run our own school garden.

Since 2010 we have completed 5 2 year projects

- Litter & Waste management 2012;
- Energy Management 2014;
- Water conservation 2016 ;
- Travel management 2018
- We are currently on our 5th flag focusing on Biodiversity Children get to design lead and participate in projects and fun activities while learning invaluable skills about caring for ourselves, each other and our environment.
- On completion of the 5th flag we will look at 3 global flags focusing on Global Litter & Waste management Global Energy management and Global Marine Environmental management.

Green School Committee – Biodiversity 2018-2020

The committee is made up of the following people:

Denise Sheridan	Teacher :Committee Lead
Nigel McKenna	Parent; Implementation
Rhona Sheridan	Teacher ; Curriculum lead with Kids
Sharon Delaney	Teacher ; Curriculum Work with Kids
Elaine McKeogh	Volunteer MSc Organic Horticulture
Car pooling Parent engagement group – Orla; Marah; Anna; Maria; Bus engagement group- Karen; Olivia; Denise; Roisin; .	

All school children are involved through projects and daily activities.

Support & Advice received from Mairead Griffin Clare Co Council.

Green schools program manager for transport : Roisin Ni Ghairbhith

Green : Promoting Parent partnership

- Wellie & Wet gear recycling program
- Active Engagement in Green school programs
- Whatsapp ECCE & PG photo and video observations group
- Child record
- Pricing contract
- Illness prevention and infections control policy
- Website : www.ullabeag.ie

Department of Education : Arts Portal Collaborative Project on Introduction of Print media in developing pre reading and pre maths skills

<http://artsineducation.ie/en/home/>

The screenshot displays the Arts in Education website interface. The top navigation bar includes links for HOME, DIRECTORY, PROJECTS/PARTNERSHIPS, ABOUT, READING ROOM, WATCH/LISTEN & READ, CONTACT, NEWS, and SUBMIT. A search bar is visible with the text 'I AM LOOKING FOR?'. Below the navigation bar, the search results for 'ulla beag' are shown, highlighting a project titled 'Ulla Beag: Print media project'. The project details include the artist's name, Lynn Kenney, and the teacher's name, Denise Sheridan. A large green box on the right side of the project page contains a quote from Denise Sheridan, Ulla Beag: 'As an educator you know children learn in different ways...One of the critical areas as an educator is to acknowledge this and find a new method of teaching to enable the child.'

Ulla Beag: Print media project
Artist(s): Lynn Kenney
Teacher(s): Denise Sheridan
School/Group: Ulla Beag

As an educator you know children learn in different ways...One of the critical areas as an educator is to acknowledge this and find a new method of teaching to enable the child.
Denise Sheridan, Ulla Beag

Executive Summary : Litter & Waste

Litter, waste management and recycling program :

- Maintained and grown to meet our growing population from 15 children 2013 /2014 to 30 children 2017/2018 per day.
- Cost avoidance of €1050 annually. Growth YonY 2013/2014 to 2016/2017 of €350 additional cost avoidance due to increased number of children .
- 2015-2017 — recycling program extended to recycle milk cartons; cereal boxes and fruit boxes from our families as art materials requirements grew with increased playschool and preschool children from 22 in 2014-2015 to 30 in 2016/2017
- New Afterschool Nature Den area set up using recycled wood from the gardens : Volunteer : ~~Ger~~ Bourke



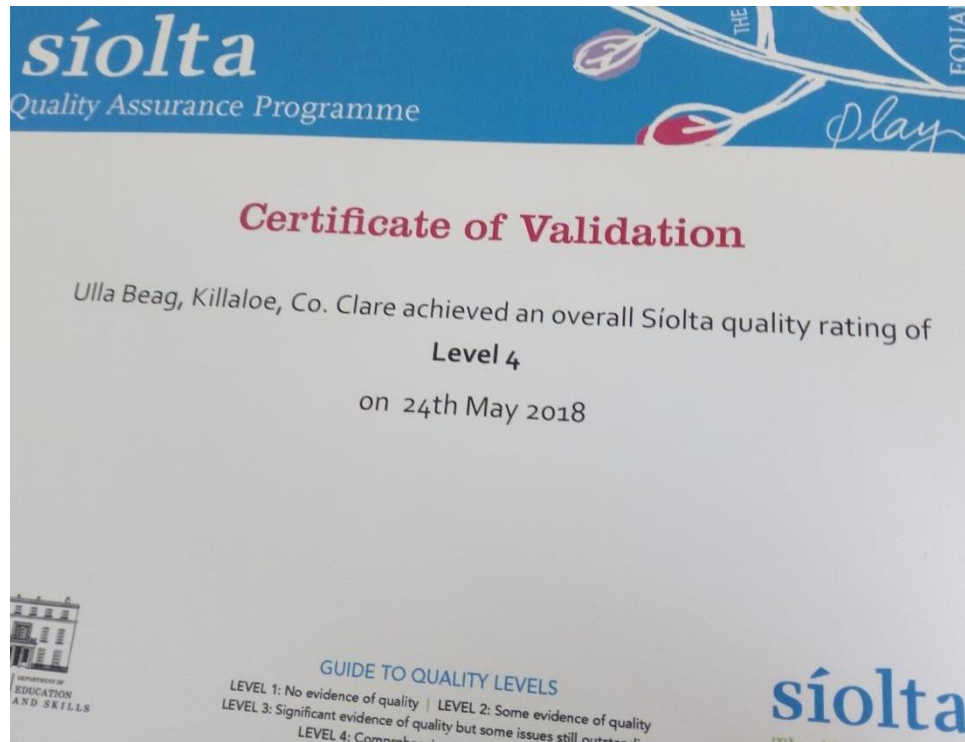
- ART Education program extended to 2 years and published on the arts in education



Our Quality Framework Validation and Education and Skills Curriculum Inspection reports

Siolta Quality Framework : Inspection results

Level 4 achieved Highest level Comprehensive Evidence of Quality



siolta
Quality Assurance Programme

Record of Validation

Ulla Beag, Killaloe, Co. Clare
achieved the following Siolta quality ratings on 24th May 2018

Standard	Quality Rating
1 Rights of the Child	4
2 Environments	4
3 Parents and Families	4
4 Consultation	3
5 Interactions	4
6 Play	4
7 Curriculum	4
8 Planning and Evaluation	3
9 Health and Welfare	4
10 Organisation	4
11 Professional Practice	4
12 Communication	4
13 Transitions	4
14 Identity and Belonging	4
15 Legislation and Regulation	4
16 Community Involvement	4

GUIDE TO QUALITY LEVELS
LEVEL 1: No evidence of quality | LEVEL 2: Some evidence of quality
LEVEL 3: Significant evidence of quality but some issues still outstanding
LEVEL 4: Comprehensive evidence of quality

Barnardos Childlinks 2019 Issue 2 Publication



Communication & Partnership with Parents

As we prioritise continual training to ensure we are offering a high quality service we are in a position to share all the latest findings and research with parents on Early Childhood Care including but not limited:

- Hygiene Management including Illness and Infection prevention
- Eating; Toileting and Sleeping Guidelines
- Twice yearly Developmental Reports and reviews

We publish a weekly email overview of the week; discuss daily with Parents on pick up how the day / session went; provide regular updates on our website www.ullabeag.ie and through our Class information updates on facebook:

https://www.facebook.com/UllaBeagChild_care/

In 2018 we introduced a Whatsapp Parents group to share observational photos and videos of their children at play.

School Garden Map 2015-2020

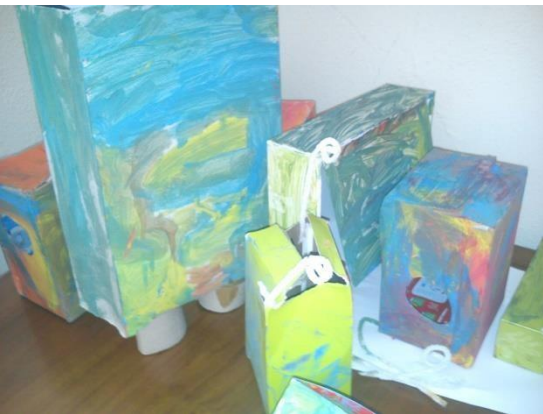


Cooking & Baking with the kids



Recycled raisin boxes & Milk and fruit juice cartons

Teacher lead : Lynn Kenny



Art 2015 -2017:Sept Print media – all printing tools were recycled toothbrushes ; bottle tops; pencils etc



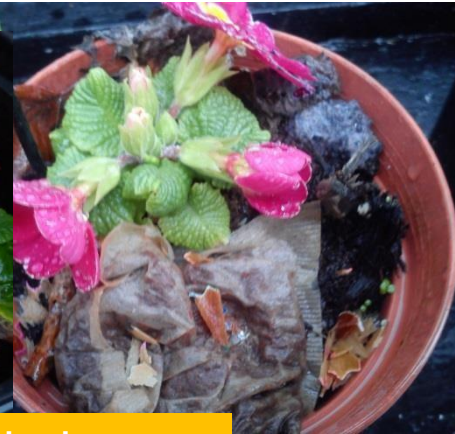
Recycling school produces to generate heat and compost for our potted plants teaches:
Decomposition, soil heat production, growth.



Ground coffee for heat and pencil toppings
To act as a mulch



Teabag blankets



Using plunger handle ; twistables
Lollipop sticks as supports



Using recycled jars integrating rain
water harvesting with learning about
colours

Key Benefits Detail

- We were able to grow our waste management and recycling program to meet the needs of our growing population. Grown our litter & waste management capacity – we have grown from 9 children in 2010 to 30 in 2017 currently and still meet all our recycling art projects needs and still only need a bi weekly refuse collection.
 - So cost avoiding of €120 per year on refuse collection by maintaining our bi weekly service and
 - €400 annually cost avoidance on purchasing compost as produce our own and local farmer now donates his compost twice a year to us.
 - Sustainable process as the recycling has grown from meeting requirements of 9 children in 2010 to 30 in 2015. We are recycling more but also parents are assisting and recycling milk bottles; cereal cartons and fruit containers with us from Sept 2015.
- 2015 Expansion of our Seed Harvesting Program. All of our flowers and herbs are from our own Harvested seeds Californian Poppies; Calendula; Lemon Balm; Evening Primrose; Cornflowers ; Feverfew; Sunflowers, Rubecia; Oregano; Basil; Chives – **zero carbon footprint** 😊😊😊
- We send home harvested seed from all of our plants increases the opportunities for families to reduce their carbon footprint also. Teacher lead : Rhona Hogan



Executive Summary : Energy highlights 2010-2018

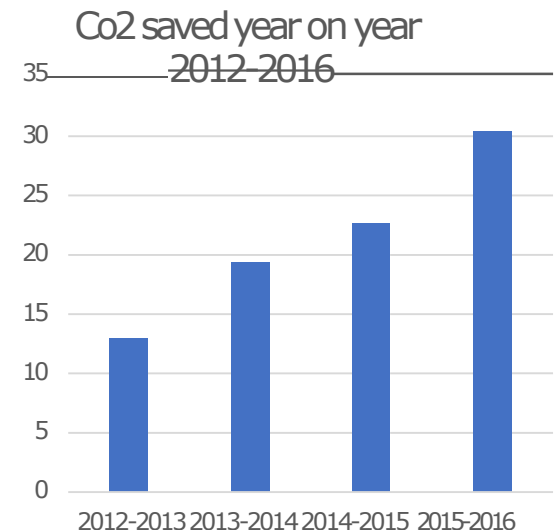
ENERGY MANAGEMENT

- **Heat Consumption** reduced by 1100 litres we saved 1.7 tonne of Co2. **€900 saving annually.**
- **Electricity daily consumption** reduced from 20 kW to 15 Kw. **€233 saving annually.**
- **2014 First Low Energy Pyjama Day** — no lights on from 8-18 saved 5 kW. **2015 Second Low Energy Pyjama Day** — no lights on from 8-18 saved 5 kW. **2016 Thurs Low Energy Pyjama Day** — no lights on from 8-18 saved 5 kW.
- Developed ; documented and rolled out an **Energy Management curriculum** with 12 individual projects.
- Rolled out a **Car pooling service** with no charge reducing our Carbon foot print by 12.92 tonnes of Co2 in 2012 to 30.36 tonnes of Co2 saved in 2017. **UPDATE**
- Rolled out a home survey and agreed an Energy Management pledge with families.

Key benefits Energy management – Car pooling

- Reducing our carbon footprint through introduction of a sustainable carpooling service. We reduced our overall carbon footprint as follows:
 - 2012-2013 school year . Car pooling Introduced . 12.92 Co2 saved
 - 2013-2014 school year: 19.38 Co2 saved
 - 2014-2015 school year: Expanded to include Afterschool runs. 22.61 Co2 saved.
 - 2015- 2016 school year: 30.36 Co2 saved.
 - 2016-2017 school year: 43.28 CO2 saved

Year	Service	#families	#trips p wk	#km pwk	#wks per year	#trips pa avoided	#kmpa	km /gallon	# gallons diesel pa	Conversion to tonnes co2 pa	Total co2 saved
1	not offered	0	0	0	0	0	0	60	0.00	0	0.00
2	preschool	2	10	40	38	380	1520	60	25.33	0.51	12.92
3	preschool	6	30	60	38	1140	2280	60	38.00	0.51	19.38
4	PS	5	25	50	38	950	1900	60	31.67	0.51	16.15
5	AS	2	4	20	38	152	760	60	12.67	0.51	6.46
5	PS	5	25	75	38	950	2850	60	47.50	0.51	24.23
	AS MG	6	1	4	38	38	152	60	2.53	0.51	1.29
	AS	3	3	15	38	114	570	60	9.50	0.51	4.85
6	PS	7	35	105	38	1330	3990	60	66.50	0.51	33.92
	AS MG	6	1	4	38	38	152	60	2.53	0.51	1.29
	AS	5	5	25	38	190	950	60	15.83	0.51	8.08



Key Benefits Detail

- Reducing overall heat consumption from two 1100 litre fills per year to one 1100 fill per year
2011 1100 litres =€900 ; 2012 1100 litres =€1050; 2013 ;2014 ; 2015 1100 litres =€1200.
- Euros saved year on year on oil from bills. • Reduction of oil consumption by 1100 litres through insulation projects ; room temperature management ; ongoing radiator management. 2011 1100 litres = €900 ; 2012 1100 litres =€1050; 2013; 2014; 2015 1100 litres =€1200 per annum.
- Sept – current room temperature management keep the main rooms at 18*c down from 22*c and toilet area up from 15*c to 18*c.
- School side door in school insulated in Feb 2015
- New Tank insulation jacket 8/3/14 – keeps warm water warm for longer.
- Further action garage insulation will be put in in April 2015(directly underneath the preschool) key benefit of this will be in the winter months.
- **Low Energy days**– Mar 2014 & Mar 2015 . (see full slide detail) Potential to save kWh
7/3/14 saved 5 kWh by not turning on lights from 08-18 ; not using washing machine ; using clothes line instead of dryer and not turning on dishwasher. Starting W.e 7/3/14 we will do one low energy day per week Mar-Oct which will be a further annual saving of €78. While we can eliminate the use of the dryer on dry days we will still need to use the washing machine as a dishwasher is more water conservative then using the sink for large washes.
- Planted an apple tree for tree week Mon 3rd Mar 2014 & an Alder tree on 7th Mar 2015 and used our own wormery compost (takes approx 2 years as we recycle egg shells too to break down our compost started in 2012 is now ready for use)

School Garden 2010-2016

Sept 2010- June 2011 -



Sept June 2012 - 2013



Pre & After school groups Sept 2014- June 2015



Play & Preschool group Sept 2013- June 2014



Pre & Afterschool groups Sept 2014- June 2015



Afterschool project School garden extended in front of school :

Raised beds Oct 2015

Lead : Denise Sheridan



Over November



22/12/15



Water Management Code and Green School Committee

Water managment

Water Management :

- Carried out Water management survey on school and set up metrics.
- Mapped our Water Management program to **Aistear Learning Goals**.
- Developed ; documented and rolled out a **Water Management curriculum** with 12 individual projects.
- **Reduced handwashing time; number of flushes per child and water**
- Expanded our Ulla Beag Green Management code to focus on Water
- Fuinneamh Rapcheol
- Rolled out a home survey and agreed a Water Management pldege ~~with~~ our families.
- Active involvement with out parents
- Developed a dedicated Green Schools Committee webpage on ~~our~~ website www.ullabeag.ie
- Installed a rain harvester.

Integrating Water
Management
and Aistear Learning Goals
Communication Theme Aims
are covered throughout the
project

Eliminating water

wastage Well Being Aim 2 LG
1,3,4,6 ; Aim 4 LG 1-6
Identity & Belonging Aim 1 LG
3&5; Aim 2 LG 2,3,4,5; Aim 3
LG1&3;

Active & positive living ;

Extending learning into the
community
Well Being Aim 2 LG 1,3,4,6 ;
Aim 4 LG 1-6
Identity & Belonging Aim 1
LG 3&5; Aim 2 LG 2,3,4,5; Aim
3 LG 1&3; Aim 4 LG 1-5

Creative Me - Well being Aim 3 LG 1,
3, 5
Exploring & Thinking Aim 3 LG 1,2,3;
Aim 4 LG 3-6

My fuel: Hydration & healthy
living.

Well Being LG 1 Aim 6 ; Aim 4
LG 1-6
Identity & Belonging Aim 1
3&5
Exploring & Thinking Aim 2 LG
1-6.

Well Being Aim 1 LG 5 & 6; Aim 4 LG 6
Identity & Belonging Aim 1 LG 3&5;
Aim 2 LG 2,3,4,5
Exploring & Thinking Aim 1 LG, 1,2, 3,
4,6; Aim 2 LG 1-6.

Taking control :

Recycle ; Reduction ; Reusing
Well Being LG 1 Aim 6 ; WB Aim 4
LG 1-6 Exploring & Thinking Aim 3
LG 1,2,3 & Aim 4 LG 3-6

Survey WATER AUDIT carried out and changes implemented

- A third of all the water used in the house is flushed down the toilet.
- Reduced 1 flush per child per day by all using toilet at fixed time per day and flushing at end of use

Before:

After
:

Water usage in toilets		1 week collection of information Monday 7th Sept to Fri 11th Sept					
Total number of toilet flushes recorded:							
Time	From	9 To		14			
	Mon	Tues	Wed	Thurs	Fri		
Total number of children	16	16	18	18	14		
Total number of uses per child	2	2	2	2	2		
	32	32	36	36	28	32.8	
		Average 32 flushes within a 5 hour window					

Water usage in toilets		1 week change of process Monday 14th Sept to Fri 18th Sept					
Total number of toilet flushes recorded:							
Time	From	9 To		14			
	Mon	Tues	Wed	Thurs	Fri		
Total number of children	16	16	18	18	14		
Total number of uses per child	1	1	1	1	1		
	16	16	18	18	14	16.4	
		Average 18 flushes within a 5 hour window					2 additional group flushes

The new gr

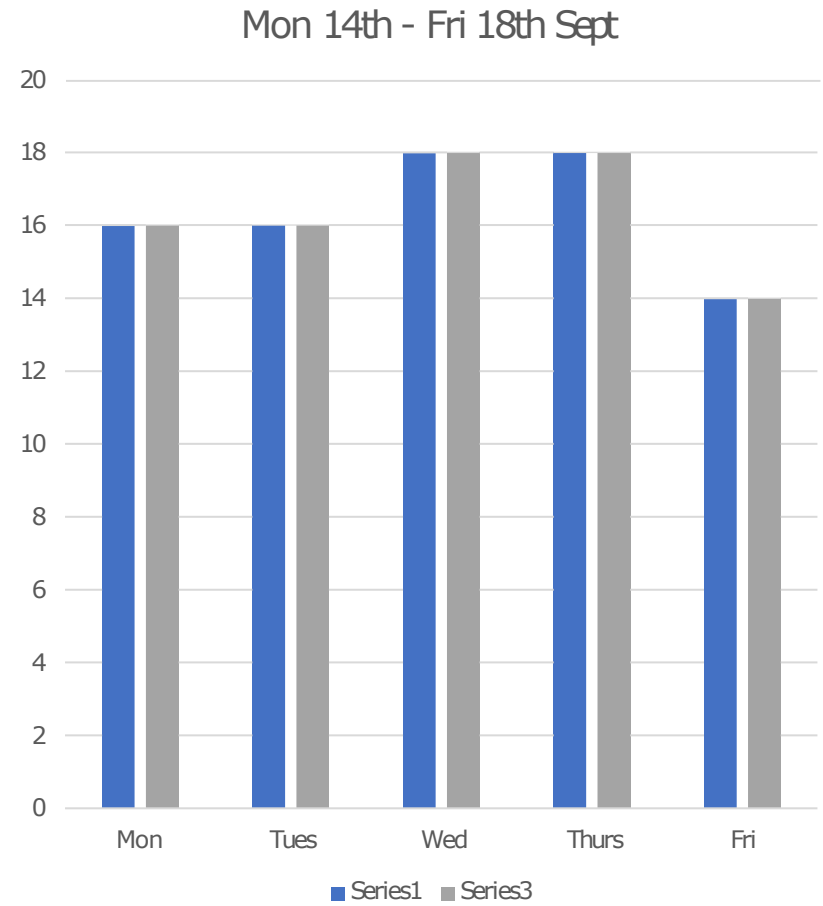
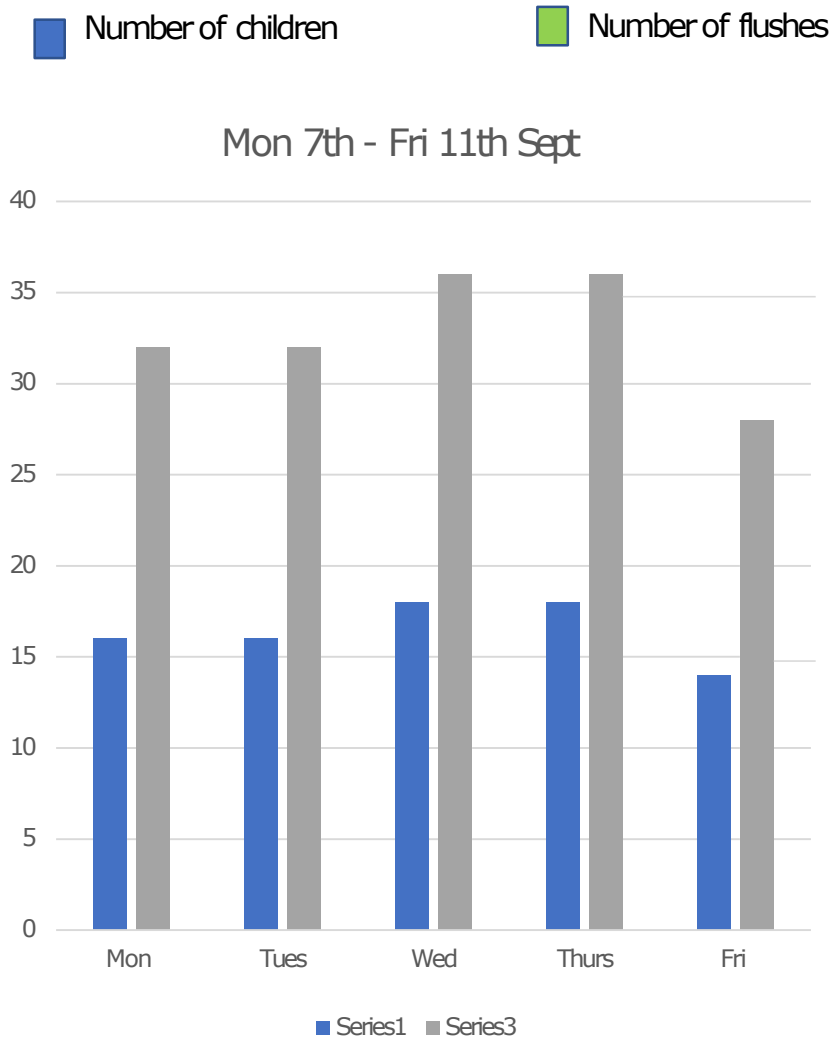
Over 38 week ECCE school year this is a saving of 532 flushes per year. The toilets are new installed in 2010 so are economical but can still conservatively use about 4 litres per flush so total litres of water saved per year is 2,128 litres.

Baseline Year 1 : 32 flushes per day 38 week =6080 flushes.

20% Target reduction. 56% achieved.

Year 2 : 18 flushes per day 38 week = 3420 flushes.

Flushes before and after



Average 32 flushes within a 5 hour window.

Average 18 flushes within a 5 hour window
2 additional group flushes introduced
44% improvement daily

Volume of Water used In Hand Washing

Workout the volume of water used for handwashing:

- If the school has turn taps:
- Time a student washing their hands.
- Run the tap into a jug for the time it took a student to wash their hands and read the volume.
- Estimate the number of times a student washes their hands in a day (survey or tick list) and multiply by the volume used in one hand wash.
- Multiply the volume per student by the number of students in the school.

FSAI: https://www.fsai.ie/fags/hand_washing.html

What is the proper hand washing technique?

Hands should be washed for at least 10-15 seconds as follows:

- Wet hands under warm running water
- Use enough soap to form a good lather
- Rub all parts of hands with soap and water
- Lather for at least 10-15 seconds, vigorously and thoroughly
- Rinse hands thoroughly with running water
- Dry hands thoroughly

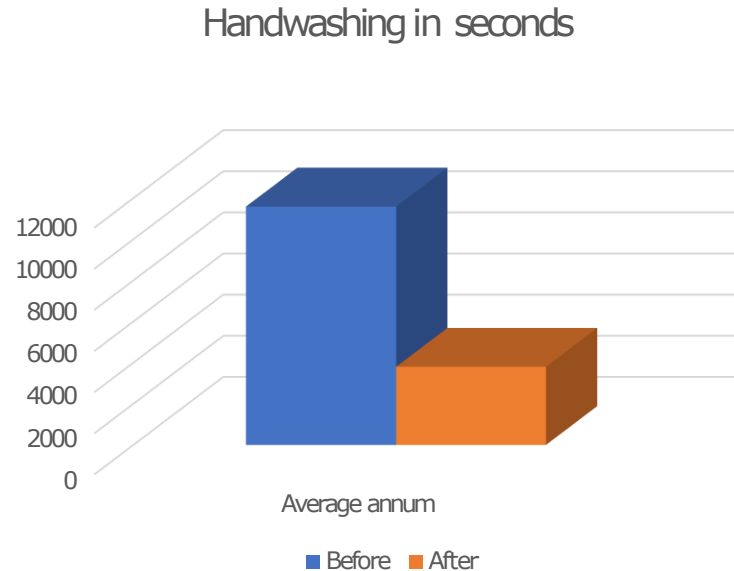
Child takes 2 – 3 minutes with water running Leads : Rhona

Hogan & Fiona Bourke



Handwashing implementing best practice

Mon 15th Sept 2014	length of time washing hands/ water running	Row row your boat
Child 1	60	20
Child 2	120	20
Child 3	45	20
Child 4	90	20
Child 5	30	20
Child 6	45	20
Child 7	45	20
Child 8	30	20
Child 9	30	20
Child 10	60	20
Child 11	90	20
Child 12	90	20
Total	735	240

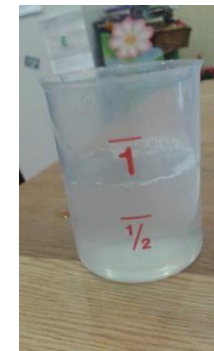


Water used in 1 minute. 1 pint + 1/4 pint jug
 0.568ml = 1 pint. Total per hand wash = 0.71
 3 washes per day * 12 kids * 0.71 = 25.56 litres

Water used in 0.20 sec. 3/4 pint jug
 Total per hand wash = 0.426
 3 washes per day * 12 kids * 0.426 = 15.33 litres

Year 1 : Baseline 4,856 litres per annum
 Target 20% reduction
 Year 2 : Improvement 2,921 litres

40 % improvement



Dish & Paint brush washing



Effective 1/9/2015 only use a basin
for washing paintbrushes and dishes
This saves 20 litres per day.

Established by filling a 2 litre milk carton and
It filled the basin 5 times and filled the sink
10 times so we are saving 2 wash ups * 5 litres
Per day.

Over 38 week school week this is a total saving of
3,800 litres per annum

Project 1 : RAINWATER HARVESTING

Establishing baselines:

Lead: Nigel McKenna

HOW TO CALCULATE THE AMOUNT OF RAINWATER YOU COULD EXPECT TO HARVEST OFF YOUR ROOF:

1. Calculate the area of your roof in square metres **76.59ft**
2. Find out what the annual rainfall is in your part of the country

Average Annual Rainfall in Clare

Rainfall in the west generally averages between 1000 and 1400 mm.

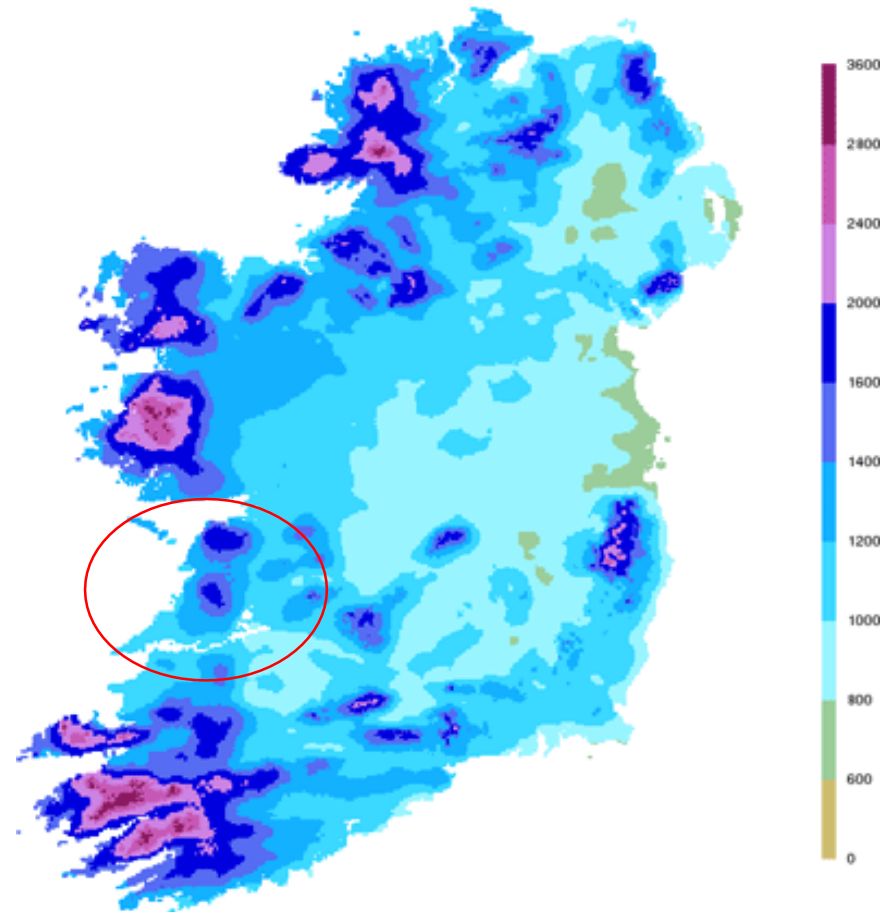
Source ;

<http://www.met.ie/climate-ireland/rainfall.asp>

3. Multiply the area by the rainfall to get the amount of water (in litres) that you could expect to harvest off your roof in a year:

	Rain fall	Roof size	total savings
min harvested	1000	76.9	76900
max harvested	1400	76.9	107660

1981-2010 Mean Annual Rainfall (mm)



Rain water harvester put in 31/12/15



Blackwall Waterbutt Kit -190

1

€54.99

€54.99

Litres (WB001)



	Rain fall	Roof size	total savings
min harvested	1000	76.9	76900
max harvested	1400	76.9	107660

Days of Action

Days of Action

- **Tree Day – 9th of Oct 2014 planted Feb 2015**
- The Tree Council are kindly giving away a FREE Alder www.treeday.ie
- **Eco-Schools World Day of Action – 3rd to 7th of Nov**
- <http://eco-schools-projects.org/wda/>
- UN World Water Day 22nd March 2015- We carried out our shorter showers experiment and
- *Each project documented was a day of action with the pre-schoolers.*
- *Our latest day of action was 1/2/2016 when we were audited by the Clare County Council Mairead Griffin and we started our art installation and did the Shorter showers experiment with the preschool children. We spent from 10-12.30 on Water based activities*
- *Our next day of action will be 9/3/2015 our 3rfd Low Energy PJ day in support of Autism Awareness.*

Our second Low Energy Pyjama Day Fri 6/3/2015

- Lights off all day 08.00-18.00

kWh saving 10kWh which is 0.007 metric tonnes of Co2. €1.65 saving off Elect bill

(kWh conversion calculator : <http://www.epa.gov/cleanenergy/energyresources/calculator.html#results.>)

- Outside play and activities from 10.30-12.30 & 14.00-15.45
 - Families and staff donated €144.50
 - Hung out clothes demonstrating Wind Energy .
 - Did not use dryer which runs for 40 mins **€0.66 & 0.0007 CO2 saved**
 - Chalk drawing of beds and sunflowers to highlight Irish Children's Hospice Home care.
 - Played basketball
 - Drew chalk drawings and marched around singing songs
- Children wore PJs over their clothes so everyone had an extra layer of clothing.



Days of Action – detailed slides in

• Tree Week deck

- Mon 3/3/14 & Fri 13/2/15 & 8/1/16

- Landscaping Day :Using outdoor materials to create play gardens



- Building our new outdoor play area: Upcycling nature
- Low Energy Pyjama day



- Introduced UP CYCLE Art Camps – completed Oct 2015
- Water tooth-brushing experiment
- Using our rain-harvested water to feed the chickens; dog ; cat and fill the toilets. 8/1/16
- Art project – upcycle material for the water life cycle Lynn & Denise Jan 2016
- Transplanting bamboo for peaceful meditation area. Denise feb 2016

Project 4 Water management Lesson detail Step by Step

Part 1: Water wheel experiment

- Focus on water as a source of electricity. Group activity - Toy water wheel and jug of water over basin with toy figures. Allow water to spin the wheel and knock over the toys – identify where the energy came from to make ~~the~~ items move.
- Saving water – Identify ways to save water and why important (turn off taps, rainwater collection etc)
- Measure the amount of water collected if tap let run while brushing teeth.
- Emphasis on avoiding waste.

Activity –

Make a plastic rainwater collection device from recycled plastic bottles to bring home and measure rainwater ~~collected~~ Report back after 1 week.

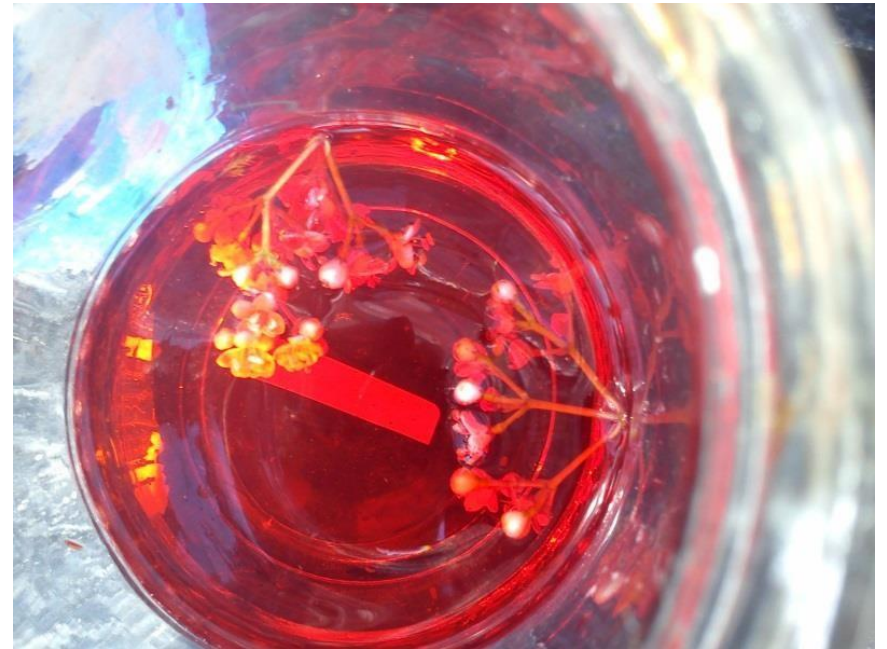
Group work to make a wall chart using cut out pictures to show the uses of w

Part 2: Discuss who needs water outside in nature (ie. Animals, trees, ~~plants~~) Activities –

- Make bird water dishes and feeders.
- Plant an apple tree to mark National Tree Week



Project 5 :Dying flowers by adding food colour to rain harvested water



Project 6 :Learning about waves and hydropower Lead: Rhona Hogan



Project 7 : Water experiments

Lead Elaine McKeogh



Project 8 :Sinking & Floating experimenting with toys

Lead Elaine McKeogh



Project 12 : Felt ball making Effect of water on felt

Lead Elaine Quinton



Project 13: Rain drops and cotton wool – changing states

Leads: Rhona Hogan & Ann Jones



Experiment evaporation condensation and precipitation

Cotton wool clouds, absorbing water, rain fall

Project 14: Rain Harvesting and recycling water

Lead : Denise Sheridan



We harvest water in
Large tubs and plastic bottles
Which can be carried by the children to
Feed the plants and flowers as in the
photos

Project 15 :

Shorter Showers experiment

Lead: Rhona Sheridan

- Experiment: toys in shower, dwarf long shower, doll short.



- Results a lot of water wasted on long shower had to be poured down the drain. Waste

Project 16 :

Learning about Planting a Native Garden

Lead: Rhona Sheridan Fiona Bourke

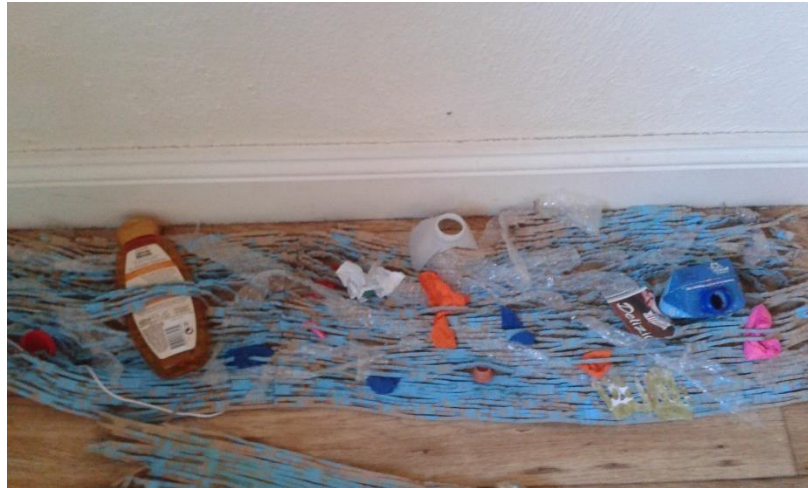


Project 17 : Art ---Water

Installation

Leads Denise Sheridan & Lynn Kenny

Creating a dirty dirty fishy sea – with recycled
Rubbish ; recycled packaging and weaving
Recycling through the packaging



Art Installation : Beautiful Clean



Creating the beautiful crystal sparkling sea :
with recycled material; ribbon and packaging and weaving
Recycled materials through the packaging



ArtCamps - using recycled materials Halloween 2015



Testimonials

~~Irene~~ **Gunning CEO of Early Childhood Learning** on Úlla Beag "demonstrates a pedagogical and environmental value system that is noteworthy...growing things gives children an experience in childhood that is enriching, educative and downright practical. I commend their efforts and admire their achievements"

Parent feedback:

- "We love that the children are mixed so our children get to socialise with each other every day."
- "Our kids love yoga , gardening and kindermusik!"
- "It is a one stop shop for family care!"
- "Our kids cannot wait to get to school!"

Master Action plan

Carry out schools water use	Denise Sheridan	Jan - Mar 2014	Completed
Identify areas to be Targeted	Denise Sheridan	April 2014	Completed
Create projects lesson plans to roll out as part of our curriculum for Year 1	Denise Sheridan Elaine McKeogh Fiona Bourke	April - June 2014	100% Completed and documented in attached presentation
Roll out projects lessons and activities	Rhona Sheridan Fiona Bourke	Sept 2014 - Jan 2015	100% Completed and documented in attached presentation
Establish metrics for water use in flushing	Denise Sheridan	Sept 2014 - Sept 2015	Year 1 : 32 flushes per day Year 1 38 week =6080 flushes. 20% target reduction 56% achieved Year 2 - 2420
Establish metrics for water use in handwashing	Denise Sheridan	Sept 2015	Year 1 : Baseline 4,856 litres pa Target 20%

Master Action plan

Use basin in the sink - tip from water saving	All	Sept 2015- current	saving of 20 litres per day
Establish benefits from introducing a rain water harvester	Nigel McKenna	Sept 2015	Min harvested will be 76,900 litres pa Max will be 107,660 - metrics used as per
Reduce Water use in flushing by 20%	All teachers	Sept 2015 - current	56% achieved. Year 2 =3420 Saving of 2,128 litres pa
Reduce water use in handwashing by 20%	All teachers	Sept 2015 - current	40% Improvement 2,921 litres p a
Use basin in the sink - tip from water saving	All teachers	Sept 2015 - current	saving of 1 full basin of water per day saving of 10 litres per day.
Create projects lesson plans to roll out as part of our curriculum for Year 2	Rhona Denise	Sept 2015- current	all documented
ART project - water installation	Denise Lynn	Feb	underway

Master Action plan

Reduce Water use in flushing by 20%	All teachers	Sept 2015 - current	56% achieved. Year 2 =3420 Saving of 2,128 litres pa
Reduce water use in handwashing by 20%	All teachers	Sept 2015 - current	40% Improvement 2,921 litres p a
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Create projects lesson plans to roll out as part of our curriculum for Year 2	Rhona Denise	Sept 2015- current	all documented
ART project - water installation	Denise Lynn	Feb	underway

Master Action plan

Subject	Class Group	Environmental Issue Covered
School Garden	ECCE & Playgroups 2010-2016 Ages 1-5 yrs	Permaculture garden; organic; non chemicals; grown and eat our own veg ; flowers ; herbs
Water management and Tree week 2014 & 2015	ECCE & Playgroups 2010-2016 Ages 1-5 yrs	Using compost from our wormeries ; soil cycle ; growth of plants
Making rainwater harvester from milk cartons	ECCE & Playgroups 2010-2016 Ages 1-5 yrs	Recycle; Reuse ; Saving water
Creating waves with straws	ECCE & Playgroups 2010-2016 Ages 1-5 yrs	Learning about energy in water power of water ; hydro electricity
Water experiments - water wheels	ECCE & Playgroups 2010-2016 Ages 1-5 yrs	Energy of water moving wheels
Water experiments - sinking and floating	ECCE & Playgroups 2010-2016 Ages 1-5 yrs	impact of weight on water
Water life cycle collage	ECCE & Playgroups 2010-2016 Ages 1-5 yrs	Learning about the life cycle of water and reinterpreting this through collage

Master Action plan

The different states of water	ECCE & Playgroups 2010-2016 Ages 1-5 yrs	Effects of cold ; heat ; rain on water. Science behind this
Felt making	ECCE & Playgroups 2010-2016 Ages 1-5 yrs	effect of water on felt as a material transformation of wool type texture to a tight ball
Rain drops and cotton wool	ECCE & Playgroups 2010-2016 Ages 1-5 yrs	Evaporation ; condensation ; cloud formation
Shorter showers experiment	ECCE & Playgroups 2010-2016 Ages 1-5 yrs	Lesson use less waste less - need to harvest water
Planting native gardens	ECCE & Playgroups 2010-2016 Ages 1-5 yrs	Impact on lifecycle of water by planting native plants which do not need excessive watering and
Water Art installation	ECCE & Playgroups 2010-2016 Ages 1-5 yrs	Learning impact of rubbish and dumping in our waters seas - impacts to sealife; nutrition etc.

Master Action Plan

Potato sowing	Afterschool 5 - 12 years	permaculture ; water harvesting ; nutrition
Wormeries	Afterschool 5 - 12 years	Creating compost ; feeding soil.
Seed saving - harvesting our own sending them home	Afterschool 5 - 12 years	zero carbon footprint
Leaf mulching	Afterschool 5 - 12 years	upcycling nature
Art camps	Afterschool 5 - 12 years	Recycling ; upcycling ; learning new techniques
Green schools quizz	Afterschool 5 - 12 years	Learning specifically about hydrotherapy ; renewable and dams as these were the lowest
Car pooling	Afterschool 5- 12 years and Pick up for preschoolers 2-5	Reducing carbon foot print.
Litter and waste management	Both groups	we only use recycled materials in our art rooms - purchases are only for paper and paint. we
Recycling food products	Both groups	we place coffee and tea bags