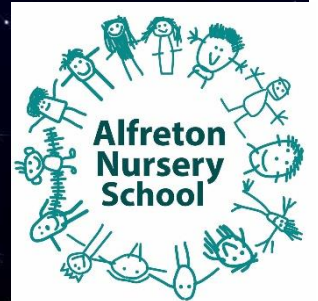


# *Measuring Sustainability @ Alfreton Nursery School*



# *Measuring Sustainability @ Alfreton Nursery School*

**‘The United Nations Sustainable Development Goals for 2015-2030 (SDG) include two extremely important statements relevant to the field of early childhood development, education, and care: Goal 4 states that by 2030 all Member States must:**

**\*ensure that all girls and boys have access to quality early childhood development, care and pre-primary education so that they are ready for primary education, and**

**\*ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others, through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture’s contribution to sustainable development**

**With these critical outcomes in mind, it is imperative for everyone in the field of early childhood development, education and care to become as knowledgeable and skilful as possible about high quality pedagogies and curricula for Education for Sustainable Development during the early years.’**

**(OMEP)**

# Measuring Sustainability @ Alferton Nursery School

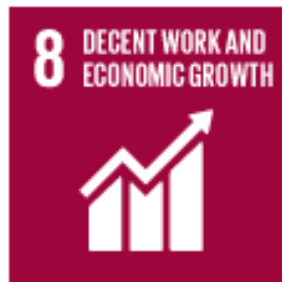
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# Measuring Sustainability @ Alfreton Nursery School



## SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD



# Measuring Sustainability @ Alfreton Nursery School

*The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries - developed and developing - in a global partnership. They recognize that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth - all while tackling climate change and working to preserve our oceans and forests. (United Nations)*

## **Areas of sustainability**

*Behind each of the 17 SDG headlines, are specific goals, targets and actions for reflection. As a school we endeavour to pursue all areas of sustainability, setting clear targets for school development and celebrating achievements.*

*The SDG's have been distributed between the three pillars of sustainability:*

- *Environmental*
- *Social & Cultural*
- *Economics*

# Measuring Sustainability @ Alferton Nursery School

2022 - 2023 Our school offer

## Environmental

<i>Environmental Education</i>	<i>Explicit teaching around global concepts</i>
<i>Forest School Grounds</i>	<i>Natural woodland - biodiversity &amp; food growing Pond habitat</i>
<i>STEM Hive</i>	<i>Focus on environmental issues (deforestation, pollution &amp; global warming), biodiversity, sustainable food production &amp; 100% recycled or ethically produced resourcing.</i>
<i>Sustainable food planting</i>	<i>Promoting healthy food and sustainable plant based food</i>
<i>Water conservation</i>	<i>Water butts located around the school site</i>
<i>Energy</i>	<i>Sensor lighting in some areas of nursery</i>
<i>Waste</i>	<i>Compost and recycle Business links for recycled materials FairShare food for families</i>

# Measuring Sustainability @ Alferton Nursery School

<i>Travel</i>	<i>Walk to School Week Mode Shift</i>
<i>National/International environmental focus points</i>	<i>International compost awareness week, Zero food waste day, Earth Day . . .</i>
<i>No meat products used on school site</i>	<i>Baking, snack and community events do not use meat and dairy free alternatives are always available.</i>
<i>Sustainable food practices</i>	<i>Minimal use of food products in play</i>
<i>A biophilic approach to all learning</i>	<i>Strong focus on animal welfare and the natural world.</i>

## *Minimal environmental offer:*

- *Natural hedge rows*
- *Bug/insect friendly habitats*
- *Minimum 20 different types of tree, bush, shrub, flower . . .*

# Measuring Sustainability @ Alferton Nursery School

- *Bee friendly planting*
- *Bird feeding stations*
- *Water butts*
- *Hedgehog friendly environments*
- *Food growing and harvesting spaces*
- *Wild flower/weed dedicated spaces*
- *Composting*
- *Stick stores*
- *Recycled outdoor resources*
- *Recycling different types of waste*

## *Environmental Targets for 2022 - 2023*

<i>Create a Sweetcorn planting and harvesting area within the STEM Hive</i>	<i>Create planting areas for the corn to grow</i>
<i>Improve water collection in the STEM Hive</i>	<i>Relocate water butts</i>



# Measuring Sustainability @ Alfreton Nursery School

<i>Further develop natural spaces within the main nursery garden</i>	<i>In light of new outdoor landscaping, focus on natural planting areas</i>
<i>Provide electric vehicle bay in school carpark</i>	<i>Local Authority to install</i>
<i>Begin carbon footprint analysis</i>	<i>In partnership with Cosy, analysis of our school's carbon footprint will take place and targets for reduction will follow</i>
<i>Further develop food production within the Forest Schools site and STEM Hive.</i>	<i>Seasonal planting of fruit and vegetables in different areas, encouraging families to access plant based diets</i>
<i>Contact local food suppliers.</i>	<i>Increase our access to out of date/packaging damaged food, thus reducing use of edible food in lessons.</i>

# Measuring Sustainability @ Alferton Nursery School

## Our school offer

### Social and Cultural

<i>Global Citizenship Education</i>	<i>Explicit teaching around global community concepts RRSA</i>
<i>BAME</i>	<i>Explicit education and resourcing Data analysis to close gaps in attainment IQM Website and school environment</i>
<i>LGBTQ+</i>	<i>Rainbow Flag Award - national collaboration starting September 2022 IQM Family links</i>
<i>Gender</i>	<i>P4C inclusion and diversity lessons . . . Data analysis to close gaps in attainment IQM</i>

# Measuring Sustainability @ Alfreton Nursery School

<i>SEND</i>	<i>Support Groups for parents Enhanced resource - MAT, outdoor handrails . . .</i>
<i>Mental Health</i>	<i>Carnegie Award MHFA in school MHFA timetabled support</i>
<i>Poverty</i>	<i>FairShare, Food Vouchers Pupil Premium - Data analysis to close gaps in attainment</i>
<i>More Able Learners</i>	<i>Explicit focus on wellbeing and education entitlement in school</i>
<i>Local business links</i>	<i>Through families, staff contacts and historical links, many businesses support our school financially and with time and expertise when asked.</i>
<i>Family support</i>	<i>Parent Groups MHFA Community Days</i>

# Measuring Sustainability @ Alfreton Nursery School

	<i>Consultations</i>
<i>OFSTED/Quality Education</i>	<i>Outstanding</i>
<i>Child characteristics</i>	<i>Data analysis to close gaps in attainment</i>
<i>Local Community</i>	<i>Maple Mews Library Arts projects</i>
<i>Further education</i>	<i>Training of professionals from other schools and IIT students on issues around diversity and inclusion</i>
<i>National and International</i>	<i>Accredited trainers in school External agency Associates in school International networking Publications for national organisations</i>

## *Minimal social/cultural offer:*

- *Explicit inclusion and diversity education for all children in school*

# Measuring Sustainability @ Alfreton Nursery School

- *Family support sessions*
- *MHFA*
- *Highly aspirational educational entitlement for children from all 'groups'*
- *Data analysis to close gaps in attainment*
- *Community links*
- *Outward facing national and international networks*

## ***Social/Cultural Targets for 2022 - 2023***

<i>Work towards achieving the Rainbow Flag Award</i>	<i>Work as a whole school to raise awareness and inclusive practices and collaborate on the national stage to create an early years accreditation scheme</i>
<i>Include the views of all community groups reflected in our families, in the evaluation of our school accessibility.</i>	<i>Invite consultation with families who represent members from different social groups.</i>

# Measuring Sustainability @ Alfreton Nursery School

<i>Review website and school environment with a view to diversity</i>	<i>Invite views from stakeholders with regards to inclusivity</i>
<i>Raise school profile through use of social media</i>	<i>Promote school practice</i>
<i>Attendance on ECEC meetings</i>	<i>Feedback national and international agenda around sustainability and social agenda</i>

## *Our school offer*

### *Economic*

<i>Local purchasing</i>	<i>Support for local business</i>
<i>Carbon Footprint</i>	<i>Monitoring our purchasing with regards to the carbon footprint associated with procurement</i>
<i>Community support</i>	<i>Providing support for self-employed families, through opportunities to sell their products Supply families with home grown produce, free of charge</i>

# Measuring Sustainability @ Alferton Nursery School

<i>Business links</i>	<i>Work with local business to supply materials to school that can be used educationally, at reduced cost or cost free</i>
<i>Resource purchasing</i>	<i>Ensure that resources purchased are made from sustainable materials and have longevity of use.</i>
<i>Plastic</i>	<i>Reduce purchase and use of single use plastic</i>
<i>Recycled resources</i>	<i>Accept and reuse donated resources</i>
<i>Build links with networks and forums, sharing practice and training packages.</i>	<i>Support online training packages, reducing cost and carbon footprint. Share practice and training at reduced cost to raise educational standards locally, nationally and internationally.</i>

## *Minimal economic offer:*

- *Support for local businesses*
- *Craft fair to support families and the local community*

# Measuring Sustainability @ Alfreton Nursery School

- Sustainable training and CPD links
- Ethical purchasing
- Acceptance and reuse of donations

## Economic Targets for 2022 - 2023

<i>Increase purchasing from local businesses</i>	<i>Reduce use of online and multi-national organisations for supply of school resources</i>
<i>Increase links with local businesses</i>	<i>Make contact with, and sustain current relationships with businesses locally, who may serve our school community. Contact local businesses with regards to our use of out-of-date food produce, which would otherwise be thrown away.</i>
<i>Monitor carbon footprint for purchasing of resources</i>	<i>Track sources of procurement and improve related carbon footprint</i>



# Measuring Sustainability @ Alfreton Nursery School

## Responsibilities

### Environment:

Emma Haywood- Head Teacher

Amanda Hubball- Deputy Head

Neil Beeson - Business

### Social/Cultural:

Amanda Hubball - Deputy Head

Laura Dolby - Teacher

Jane Blant - HLTA

### Economic:

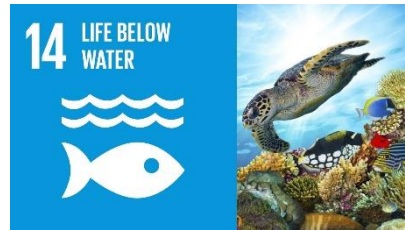
Governing Board

## SDG links to the three pillars of sustainability

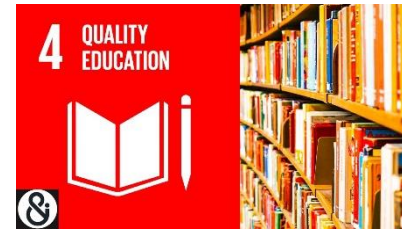
### Environment



# Measuring Sustainability @ Alferton Nursery School



## Social/Cultural



# Measuring Sustainability @ Alfreton Nursery School

*Economic,*



*Overall bi-annual school targets 2021 - 2022 & 2022 - 2023*

<p><i>1. Carbon Footprint</i></p>	<p><i>Investigate and reduce carbon footprint by minimum 50%</i></p>
<p><i>2. Increase links with diversity groups in local community</i></p>	<p><i>Invite feedback from community with regards to perceived school inclusivity, and act to address areas for development</i></p>

# Measuring Sustainability @ Alfreton Nursery School

## Partners



# *Measuring Sustainability @ Alferton Nursery School*

Climate change is happening now. It is one of the biggest challenges of our generation and has already begun to cause irreversible damage to our planet and way of life. We have clear evidence demonstrating the pace of warming in recent decades and the impacts we will face should this continue. As we redouble our efforts to achieve net zero, we must also continue to raise ambitions on adaptation to ensure the UK is resilient to the challenges of a warming world.

(Department for Education UK Climate Change Risk Assessment 2022)

# Measuring Sustainability @ Alfreton Nursery School

## Data report sheet

### Target analysis

<i>Targets</i>		<i>Progress</i>	<i>Date</i>	<i>Next steps</i>
<i>Overall Bi-annual</i>	<i>Community inclusion</i>	<i>Termly survey implemented</i>	<i>Nov 22</i>	<i>Work with Proud Trust</i>
	<i>Carbon footprint reduction</i>	<i>Meeting arranged with Cosy</i>	<i>Nov 22</i>	<i>Evaluate procurement processes in school</i>
<i>Economic</i>	<i>Local purchasing</i>	<i>Focus on outdoor supplies</i>	<i>Nov 22</i>	<i>Support families with toy shares etc.</i>
	<i>Out of date food</i>	<i>Super markets identified</i>	<i>Nov 22</i>	<i>Contact to be made in January 23</i>
	<i>Carbon footprint linked to procurement</i>	<i>Meeting arranged with suppliers who are leading the way</i>	<i>Nov 22</i>	<i>Action targets established in the meeting</i>

## Measuring Sustainability @ Alfreton Nursery School

		<i>in sustainability</i>		
<i>Social/Cultural</i>	<i>Rainbow Flag</i>	<i>Evidence for Rainbow Flag Award is being gathered</i>	<i>Nov 22</i>	<i>Continue to work with Proud Trust to develop Early Years model</i>
	<i>School accessibility</i>	<i>Termly survey implemented</i>	<i>Nov 22</i>	<i>Increase contact with community through community days</i>
	<i>Website</i>	<i>Updated and Governor overview implemented</i>	<i>Nov 22</i>	<i>Work through Teacher appraisal to maintain updates</i>
	<i>Social media</i>	<i>Responsibilities being distributed within the staff</i>	<i>Nov 22</i>	<i>Implement diverse range of posts in Spring term</i>
	<i>ECEC</i>	<i>Monthly attendance</i>	<i>Nov 22</i>	<i>Amanda to action as appropriate</i>
<i>Environmental</i>	<i>Harvesting</i>	<i>Cycle of planting has been implemented</i>	<i>Nov 22</i>	<i>Distribution of food to families as part of the school support package</i>
	<i>Water</i>	<i>Increased water butts</i>	<i>Nov 22</i>	<i>Relocate present water butts</i>

## Measuring Sustainability @ Alferton Nursery School

	<i>Natural Spaces Natural spaces</i>	<i>New outdoor landscaping</i>	<i>Nov 22</i>	<i>Relocate raised beds and increase wild flower planting areas</i>
	<i>Electric car charging point</i>	<i>Contact made with LA</i>	<i>Nov 22</i>	<i>Follow-up contact to set a date for next steps</i>



# Measuring Sustainability @ Alferton Nursery School

## Links to SIP

Key Priority 4: To integrate the Sustainable Development Goals (“SDG’s”): #5 ‘Gender Equality’, #10 ‘Reduced Inequalities’ and #12 ‘Responsible Consumption and Production’ into our daily practice.

Key points to achieve aim	<ul style="list-style-type: none"> <li>• Co-write and achieve the first national ‘Rainbow Award’ for the Early Years sector.</li> <li>• Our website reflects our commitment to the SDGs.</li> <li>• Provide high quality family support systems that will impact on the poverty gap within the community.</li> <li>• Create and implement an ethics plan based on reducing our carbon footprint.</li> </ul>
Milestones	<p>December 2022</p> <ul style="list-style-type: none"> <li>• AH and JB to attend Rainbow flag Award training</li> <li>• AH and JB to support the Rainbow Flag Award staff in developing an Early years criteria</li> <li>• To create a programme of family celebration events across the year which incorporates gender equality.</li> <li>• SMT to create an action/ethics plan which incorporate the 3 SDGs focused on for this academic year</li> <li>• Staff and governors to create an equality statement that is filtered through all school policies</li> <li>• Aim for Fare share food to be accessed by the school community weekly</li> <li>• Home-grown produce is shared with the local community and a plan is in place to increase produce over the year</li> <li>• School work with the Salvation Army support families at Christmas</li> <li>• A Toy Sale event which supports families who are struggling to buy new toys for Christmas</li> <li>• LT has access to Tapestry and cascades community support information directly to our parents and onto our website</li> <li>• Fortnightly family support sessions with LT are in place</li> <li>• Parents/Carers are clear on attendance expectations</li> <li>• LT to support families who are struggling with attendance</li> </ul> <p>April 2023</p> <ul style="list-style-type: none"> <li>• To populate the website with information on our 3 SDGs for parents/carers and the outside community, including available local support programs</li> <li>• To make contact with DCC to look at joint sustainability programs as discussed in Summer 22.</li> <li>• More produce is planted with the children and parent/carer workshops cascade knowledge to school community</li> <li>• To begin to look into the prospect of a forest based parent and toddler group on site</li> <li>• We host a small scale family cooking session to support the less wastage agenda</li> <li>• We audit the companies we use to buy resources from, including cleaning products</li> <li>• Audit nursery habits that could be changed to reduce energy consumption</li> <li>• Newsletter to continue to focus on good attendance information for parents</li> </ul> <p>July 2023</p> <ul style="list-style-type: none"> <li>• Attendance figures have improved on last year’s data</li> <li>• Parents/carers are regularly attending the drop in support sessions</li> <li>• Parent/carer questionnaire shows the impact of our support and areas to develop further for 23/24</li> <li>• We are on track to achieve the Rainbow Flag Award</li> </ul>

# Measuring Sustainability @ Alfreton Nursery School

Evaluation	<p>Evidence: Rainbow flag evidence Website information Ethic plan Policies Parent/carer questionnaire Attendance figures</p>	<p>Impact:</p> <ul style="list-style-type: none"> <li>• Improved attendance for pupils.</li> <li>• More targeted support for families</li> <li>• Parent/Carers are supported with the cost of living crisis</li> <li>• All avenues of communication and ethos support equality, which is evidenced in the parent/carer questionnaire response</li> </ul>				
Key action	Intended impact	Timescales	Lead	Monitored by	CPD/Finance Implications	
The school co-writes and obtains the Rainbow Flag Award	The school community celebrates diversity and educates our children positively	Aut 22 onwards	JB	AH		
School plants more produce and supports families in growing more at home	The school community feel better equipped to grow their own produce at home	Aut 22 onwards	NB	LD		
To write an ethics/action plan	To change small habits which could make a huge difference over time	Aut 22	SMT	Govs		
LT has fortnightly drop in sessions, has access to tapestry to cascade information and adds content to our website	More targeted support for families More families feel supported with the cost of living crisis	Aut 22 onwards	LT	EH		
Avenues of support including Fare Share, Salvation Army etc, are used to support families	More targeted support for families More families feel supported with the cost of living crisis	Aut 22 onwards	JB	EH		
Family cooking sessions to support less wastage within the home as well as healthy eating agenda	To change small habits which could make a huge difference over time	Spring 23	JB	EH		
Make contact with DCC to look at ways of supporting future sustainability projects	To support DCC in their sustainability agenda and lead the way for other schools to start to make a difference	Spring 23	AH	EH		

2022 - 2023

# Measuring Sustainability @ Alfreton Nursery School

Sustainability  
Coordinator:  
Amanda Hubball

*“A map of the world that does not include Utopia is not worth even glancing at, for it leaves out the one country at which Humanity is always landing. And when Humanity lands there, it looks out, and, seeing a better country, sets sail. Progress is the realisation of Utopias.”*

*Oscar Wilde*

