



# COOKING AND GROWING AT SCHOOL: IMPACT ON PUPIL WELLBEING





# It started with a space





# Our secret garden before...



## CHARLTON MANOR PRIMARY SCHOOL

### CHILDREN'S WISH LIST

VEGETABLE PATCH



MAZE



FLOWERS, HERBS  
RAISED BEDS



SEATS



BRIDGE



TREE



WILDLIFE



HIDE



# The design

- Children's ideas.
- Look at gardens.
- Think about habitats.
- Think about food growing.
- Think about creating interest.
- Think about a place to be.



# The Finished Plan



VIEW OF GREEN HOUSE FROM LAWN

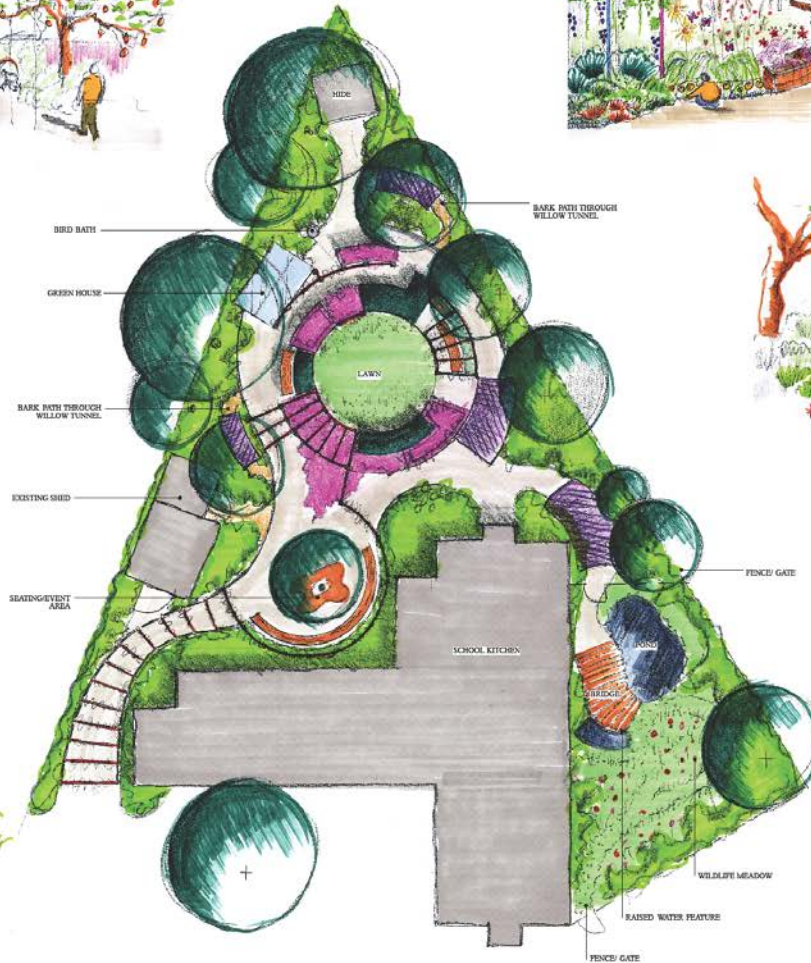


VIEW OF VEGETABLES AND FRUIT FROM KITCHEN



VIEW OF HERBS AND WILLOW TUNNEL BY KITCHEN

VIEW OF SEATING/EVENT AREA



## KEY

-  SHRUB PLANTING FOR WILDLIFE
-  HERBS, VEGETABLES, FLOWERS
-  HEDGE
-  LIVING WILLOW TUNNELS
-  PROPOSED TREE
-  PERGOLA WITH CLIMBING PLANTS AND TRELLIS
-  TIMBER SLEEPER SEATS
-  TARMAC/ COLOURED TARMAC PATH

NOTE: ALL MEASURES TO BE CONFIRMED ON SITE.  
DO NOT SCALE FROM DRAWING.

CHARLTON MANOR PRIMARY SCHOOL	SECRET GARDEN OUTLINE PROPOSAL
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FOR COMMENT	C.R.
<input type="checkbox"/> Plans, Sections, Dimensions: G.D. 14/1 <input type="checkbox"/> Revised Plans, Sections: 15/01/15 Colman & Stangeridge	10/01/15 10/01/15 10/01/15 10/01/15 10/01/15 10/01/15 10/01/15 10/01/15 Colman & Stangeridge





...and then The garden became a reality.





# Many learning experiences







# The growing. A secret garden

Using the garden provides many opportunities for measuring, shape, area, perimeter, volume, symmetry as well as English creative writing, following instructions, formal letter writing, persuasive writing, As well as Science, foundation subjects. Children also work as a team constantly risk assessing, problem solving and are also encouraged to make ethical decisions.





# Maths and Literacy plays a big part in the garden



Working out a business plan to sell the fruit and veg.

- Buying and selling
- Weighing and measuring

Persuasive writing

- Advertising
- Marketing
- labelling







- ▣ Recording and observing.
- ▣ Note taking
- ▣ Diary entries
- ▣ Instructional text

- Capacity
- Volume
- Real understanding of weight.





The produce ready to eat, cook or sell in the shop.



# Developing the Whole Child

- Feeling Proud
- Sense of achievement
- Engagement



- Working together
- Nurturing







- A place to think
- A place to focus

- Take on responsibility
- To be relied upon







- For all ages and abilities
- To have FUN





# Chickens Add a New Dimension



- Observe, listen, touch, explore.
- Discover and understand.





# The Bees Arrive and Cause a Buzz



Again a new  
learning experience  
for all



# Bee keeping? Children?





# Building frames



## Weekly inspections





# Honey Extraction



Weighing it up





# Honey?





# Honey





# Conservation

- Children understand that the eco system is delicate.

## All bees:



Estimated  
**1/3 of  
food**  
is pollination  
dependent



**Make 6,000  
tonnes of honey**



Pollinate **70**  
types of crop



Contribute  
**£400 million**  
to the economy

## A colony:



Pollinates  
**4,000 m<sup>2</sup>**  
fruit trees



Makes avg  
**14kg**  
of honey



Contains  
**50,000**  
bees



# Attitudes changed. The next swarm was dealt with by pupils.



Developing confidence





# Journey to Chelsea



Loading the van





# Developing confidence, Providing opportunities





# Linking with a local Farm to increase our produce





# Gardens abroad



The Journey to Holland



A wonderful example of what can be done with flowers







# Designing a garden in France





# Children Working on their garden in India



Working with others  
Planning together  
Use of IT



# World Food Day Together



We cooked food here and they did there.

We tried their recipes and they ours.  
We created a joint recipe book





# Trying the Recipes



Taste test  
It was delicious

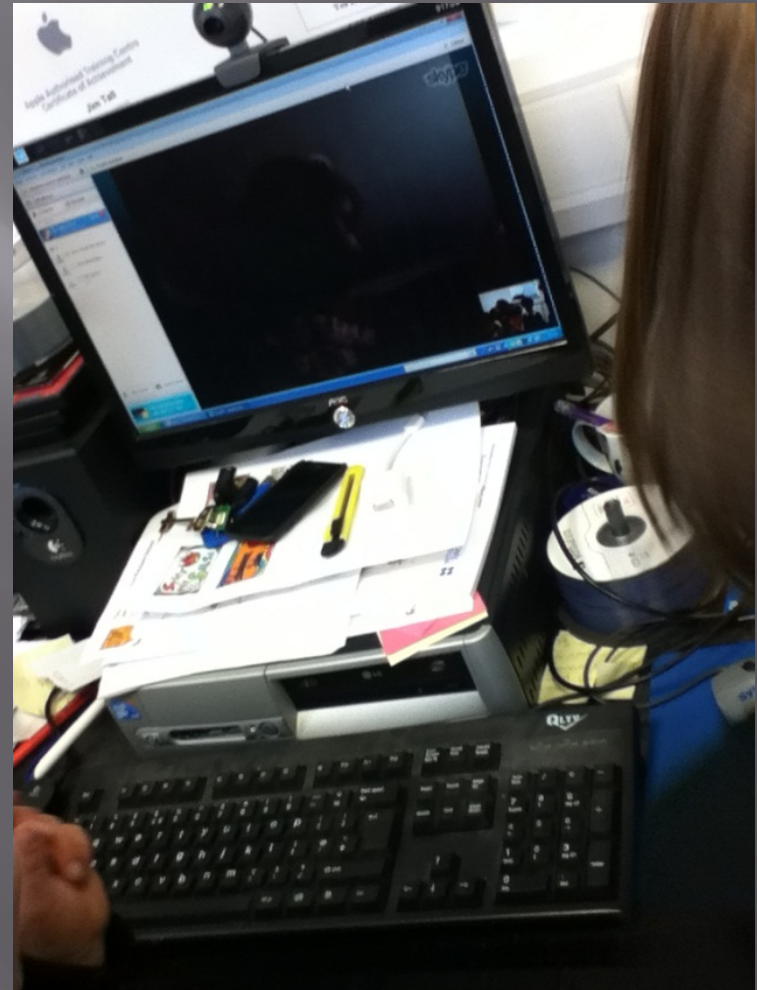


# A Similar Project for Nepal



A parent approached us.  
Their brother and sister in  
law ran an orphanage.

We hold weekly Skype  
sessions





# The Nepalese Orphanage





# A Visit from a German School

## They also keep bees

They were really impressed



They invited us there.



# Our Trip to Germany





# Charlton Manor pupils working with German school







Their Bees

The near by Primary school





# The kitchen



State of the art equipment





# Working in the kitchen





# Cooking used for learning





# At all ages





# Enjoying the Dining Experience





# Quality food





# Healthy choices





# Pride in the dinners and pride In their work





# Teaching the three Rs

- ▣ Respect
- ▣ Responsibility
- ▣ Reliability