

DISCOVERY TRAIL

ACTIVITIES and WORKSHEETS



DISCOVERY TRAIL

OBSERVATION AND SENSES



Activity

Recording Observations

KS1/KS2

Curricular links:

Time:

Equipment:

Place:

School Term:

Instruction:

Science , Literacy, Geography

30 minutes +

note book, pencil, worksheets, camera

various

Any

Throughout the walk, stop and observe using the senses.

Encourage children to look carefully, look at colour and shapes. Look for details.

Listen for sounds, can they identify the sound, is it natural or man-made?

Invite children to smell the plants. Can they describe the smell or compare it to something they recognise?

Allow children to touch the plants and describe the textures (beware prickly and sharp or stinging leaves).

Choice of worksheets to help children to record sounds, smells, textures, and things they have seen.

Write or Draw

THINGS I HAVE SEEN



SOUNDS I HAVE HEARD



FRAGRANCES I HAVE SMELLED





TEXTURES I HAVE TOUCHED



I came to Ventnor Botanic Garden.....

Record of my favourite things.

I saw..... 	I heard..... 	I touched.... 	I smelled.... 

My favourite thing:

Name

Date

MY THOUGHTS

Describing words



Sight	Feel	Sounds	Smell	Taste

Name

Date

Parts of a Flower

Label the parts

Write the name or number by the correct part of the flower.



1. Roots

2. petal

3. stem

4. leaf

Functions of plant, roots and stems



Fill in the missing words. Use the word bank to help you.

The roots of a p_____ are very important.

They help to a_____ the plant in the soil so that if the w_____ blows the plant doesn't fall over.

The r_____ also suck up w_____ and nutrients from the soil to help the plant g_____ and stay h_____.

The stem of the plant is like it's s_____.

It helps to hold the plant up.

It also contains all the t_____ which carry water and nutrients to the food factory in the plant's l_____.

Word bank

leaves	plant	water	healthy	wind
roots	skeleton	anchor	grow	tubes

Name:

Date

FLOWER OR TREE?

Write F for flower or T for tree by the side of the pictures.

1.



2.



3.



4.



5.



6.



7.



8.



9.



Answer by writing the picture number(s) next to the question.

Which picture shows that it is Autumn?

Which pictures shows it is Spring?

Which pictures shows that it is Summer?

Which picture shows an evergreen tree?

Which pictures show that a tree is deciduous

DISCOVERY TRAIL

Observation and Senses Walk



Activity

SILENCE! Listening for 1 minute.

KS1/KS2

Curricular links:

Science, Literacy, Geography Art and Design

Time:

5 minutes+/-

Equipment:

Note book, pencil, worksheets,

Place:

Ornamental pond by Edulis (no.19 on map)

School Term:

Any

Instruction:

Stand still and be silent for 1 minute exactly.

Listen for different sounds. Count them on your fingers or record them on worksheet.

How many you hear? Can you identify them?

Listen to sounds in and beyond the garden, where are the sounds coming from?

Are they familiar noises ?

What are the loudest / quietest sounds? Are they natural or man-made sounds?

Now listen to the fountain, what noises does it make?

Name:

Date:

SILENCE!

How many sounds did you hear in 1 minute?



SOUNDS I HEARD

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.
- 16.
- 17.
- 18.
- 19.
- 20.

Natural Sounds

Loudest Sound.

Quietest Sound.

My favourite sound is _____

because _____

DISCOVERY TRAIL

Observation and Senses Walk

Activity

LEAF COLOUR MATCH

KS1/ L.KS2

Curricular links:

Science and Art and Design

Time:

15 minutes +/-

Equipment:

Pencil, worksheets, leaves

Place:

Various

School Term:

Any. Autumn best

Instruction:

Each child requires a leaf. Encourage examination of leaf, looking at shape colour , texture. Can they name which type of leaf it is? Use the worksheet to match their leaf to the colours on the chart. Can they describe the colours(light, dark, bright, deep).

Extension/Follow up:

Skill mixing colours - Using chalks or paints, mix colours to match leaf colour(s).

Leaf Colour Match Chart

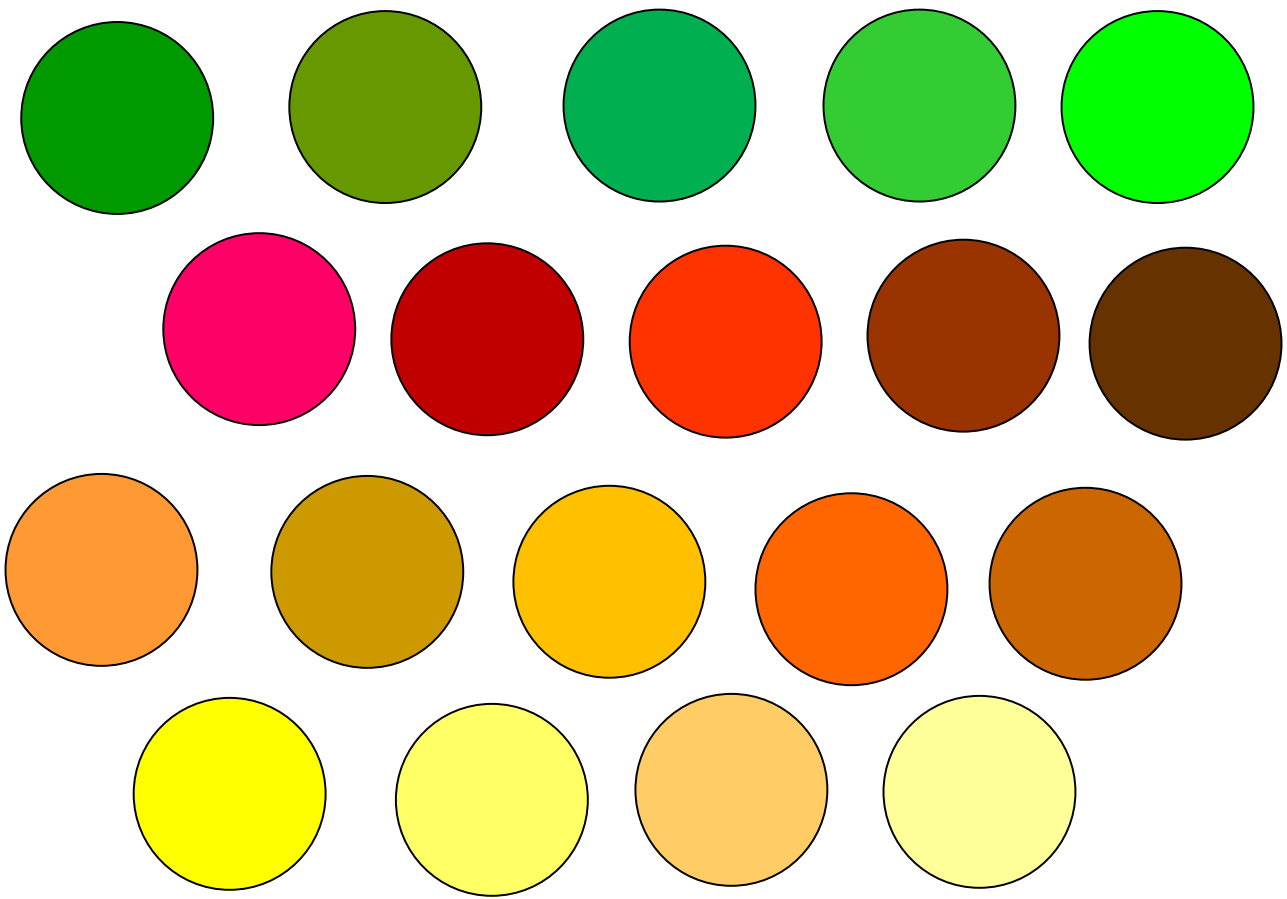
Which colour is nearest to the colour of your leaf?
Tick the circle that is closest in colour.

How many colours is on your leaf?

How many points does your leaf have?

What is the size of your leaf? Small? Medium? Large?

Can you name the type of leaf?



Activity

BARK RUBBING- Touch



KS1/KS2

Curricular links:

Time:

Equipment:

Place:

School Term:

Art and Design - Textures

30 minutes +/-

Pencil, worksheet or sugar paper, wax crayons

Various, throughout the walk

Any

Instruction:

Encourage children to find a range of different tree barks. For best results rub in one direction either up and down or side to side.

Can be effective using two colours.



Name:

Date:

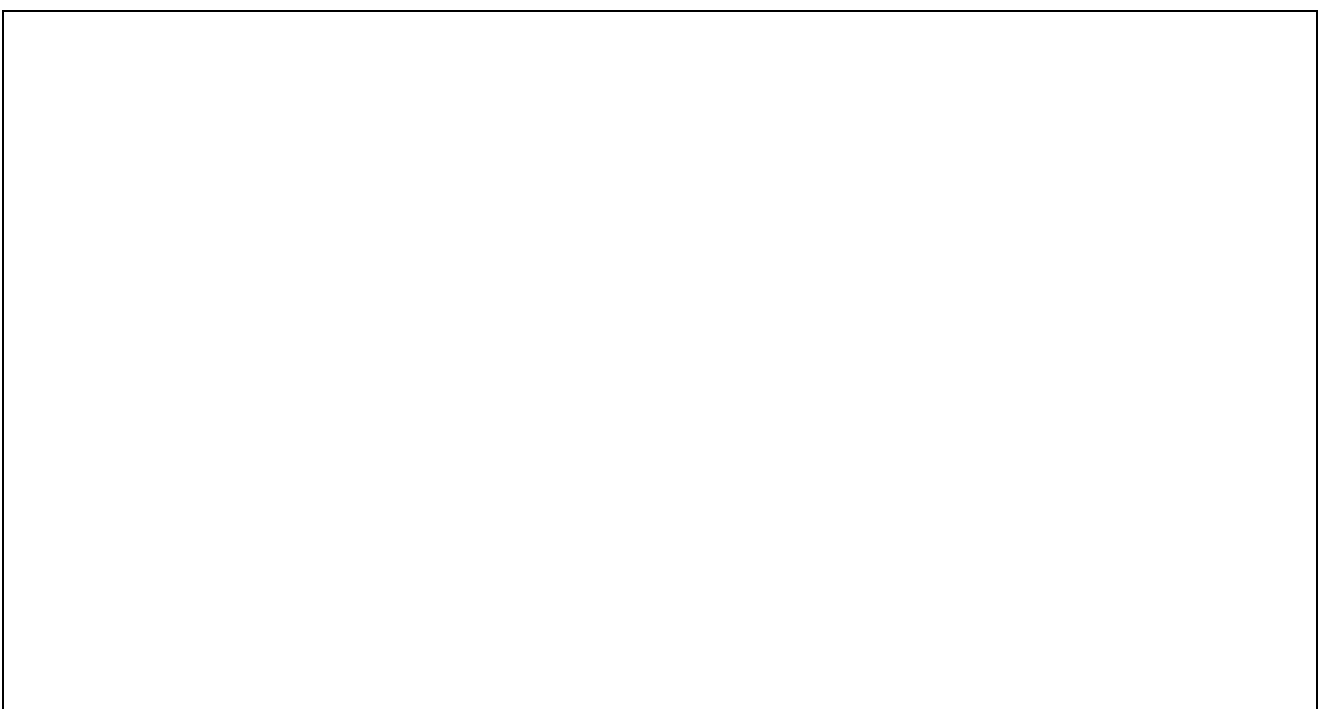
BARK RUBBING

For best results -Try to do rubbing in one direction, either up and down or side to side.

NAME OF TREE –

A large, empty rectangular box with a thin black border, intended for a bark rubbing. It occupies the central portion of the page.

NAME OF TREE –

A second large, empty rectangular box with a thin black border, identical to the one above, intended for another bark rubbing. It is located at the bottom of the page.

DISCOVERY WALK

Observation and Senses Walk

ACTIVITY

I CAN SEE A RAINBOW OF COLOUR

KS1/KS2

Curricular links:

Art and design

Time:

30 minutes +/-

Equipment:

Pencil, worksheet, bag for collecting

Place:

Various throughout the walk

School Term:

Any

Instruction:

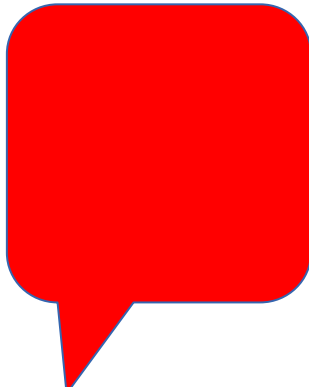
Observation of colours throughout walk.

Simply list item onto correct colour on record sheet

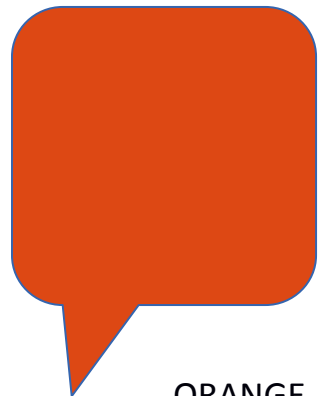
I can see a colour of rainbow !



VIOLET



RED



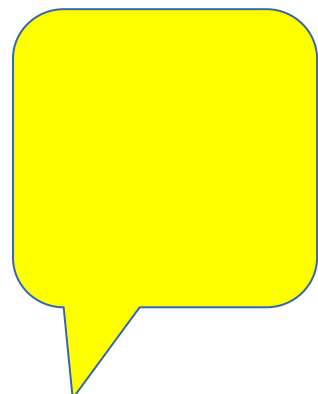
ORANGE



INDIGO

What can you
see in the gardens
that have these
colours?

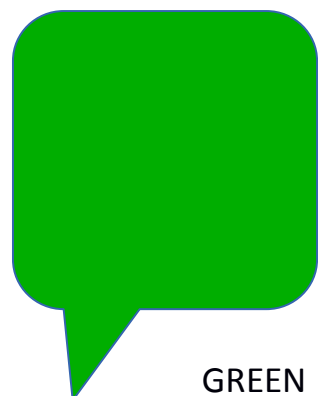
Write or draw
what it is,
in the correct
colour box.



YELLOW



BLUE



GREEN

DISCOVERY TRAIL

Observation and Senses Walk

Activity

PHOTOGRAPH PICTURE HUNT

KS1/ L.KS2

Curricular links:

Science ,Geography, Art and Design

Time:

30 minutes +/-

Equipment:

Pencil, worksheets,

Place:

Various

School Term:

Any.

Instruction:

To find the locations in the gardens ,pictures not in any order.

Encourages exploration and observation throughout the whole garden.

This can be used either during the walk extending the area of the walk,(allow extra time.)

or

As a small group activity like orienteering
(Each group must be accompanied by an adult. No racing!)

Extension/Follow up

Create a map, mark photograph locations.

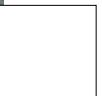
Research items of interest e.g. totem poles,

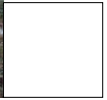
Recounts: Newspaper article, post card, diary entry etc.

NAME:

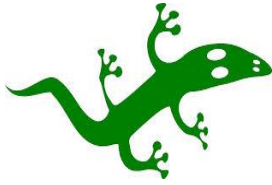
DATE

Can you find where these photographs were taken in the garden?
(They may look different through the seasons)





LIZARD COUNT

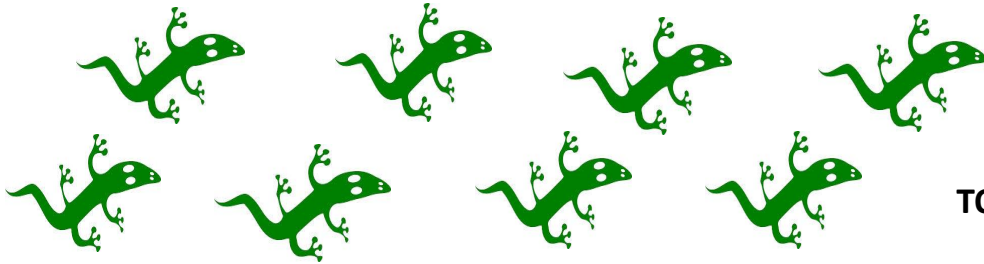


The green and brown wall lizards, (*PODARIS MURALIS*) enjoy the warm sunny weather at Ventnor because they are cold blooded reptiles. They love the cracks in the walls to shelter from the wind and from predators. They use these hot spots for egg-laying and for feeding their young. Their diet consists of insects and spiders.

Use the lizards to tick off how many you see around the garden

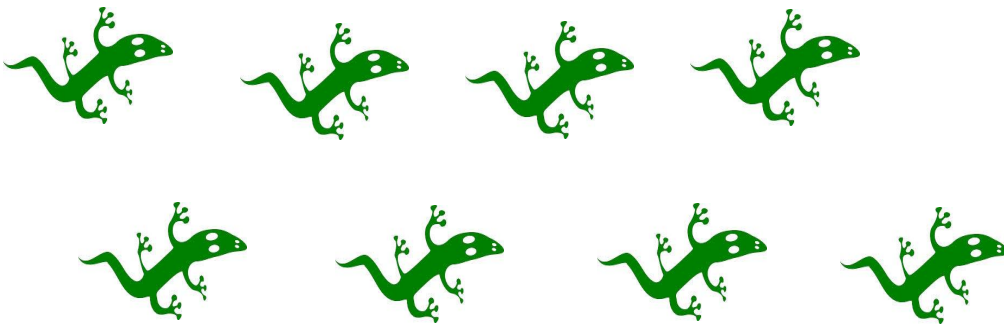
Their favourite places are:-

THE MEDITERRANEAN TERRACE

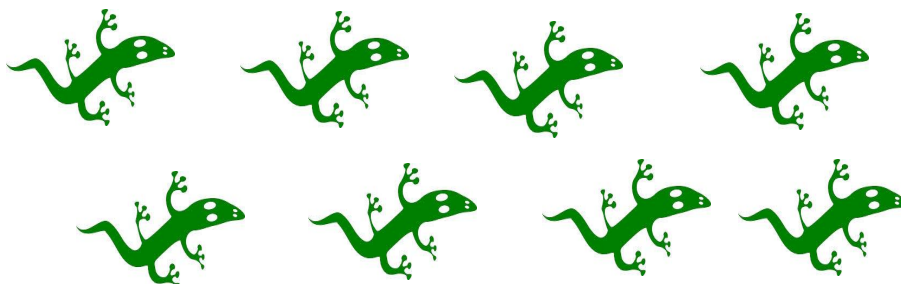


TOTAL

THE SOUTH AFRICAN TERRACE



THE PURPOSE BUILT WALL BY THE ARID GARDEN



TOTAL