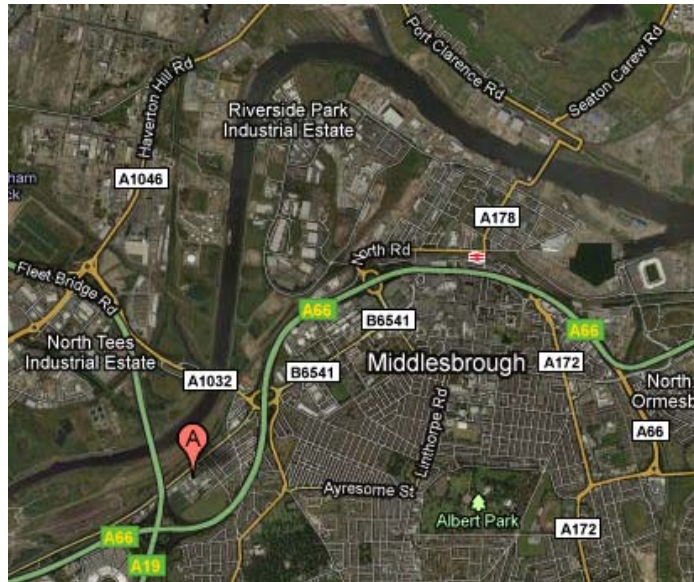


# IS IT GRIM UP NORTH?

## RIVER TEES WALK JOHN MUIR AWARD

NAME: \_\_\_\_\_



The John Muir award is a recognised award that you can gain by:




- exploring and discovering a new environment
- sharing what you have learned about the environment
- becoming involved in the Baccalaureate

### Location #1: Beyond Newport Bridge

Look around the whole area and jot down your initial thoughts and feelings at the start of the walk.



Which is more interesting to your senses - nature or industry?  
Justify your reason.

Sense	Nature or Industry	Reason(s)
		
		
		

Make 3 predictions about what kind of industry is taking place across the river:

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**Location #2: Mid-Point/Display Board**

As a group, chose an area suitable to stop for a picnic. Complete the Bi-Polar analysis to assess its suitability.

	1	2	3	4	5	
Maintained						Neglected
Quiet						Noisy
Spacious						Cramped
Green						Grey
Modern						Old fashioned
Attractive						Unattractive
Clean						Polluted
Safe						Dangerous

**RIVER TEES HISTORY**

Locate the answers to the questions on the 2 display boards.



Why did 'The Mandale Cut' help to make the River more efficient?

Name 3 animals you could see on the walk? \_\_\_\_\_

Why has the River Tees become cleaner? \_\_\_\_\_

Why was I.C.I important during World War 2? \_\_\_\_\_

How was the land you stand on now different 130 years ago? \_\_\_\_\_

Why were the wooden wharves built along the river? \_\_\_\_\_

**Location #3: Teessaurus Park**

Dot down your initial feelings and thoughts about the park.



Complete a **PMI** chart assessing whether the park is a good location for families to visit.

Positive	Minus	Interesting
-	-	-
-	-	-
-	-	-

Use the **BAR** principle to suggest changes to the park.

Bigger: \_\_\_\_\_

Add: \_\_\_\_\_

Replace \_\_\_\_\_

## DESIGN A NEW DISPLAY BOARD



In the box below sketch some ideas for a new display board aimed more at children which also highlights the sustainable opportunities for the area.

## The Walk Back



Make a list of 5 ways in which irresponsible human activities have scarred the natural landscape.

- 1.
- 2.
- 3.
- 4.
- 5.

**Reflect on three or more of the following statements:**

1. What I have learnt today was...
2. What I found interesting about the walk was...
3. What surprised me was...
4. The skills I used well today were...
5. I want to know more about...
6. Right now I am feeling...
7. You could help me by...

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# Affinity Diagram

•What makes certain plants grow in certain places?

Why might this be the case? Think of 5 questions why might this plant be growing here?

Why?

Why?

Why?

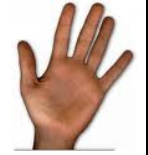


Why?

Why?



## SOIL TESTING

Think about a sticky, **clay** mud football field and lumpy, grainy sandy soil, for each soil imagine what your senses would tell you about the soil - think **colour, texture, how much water**

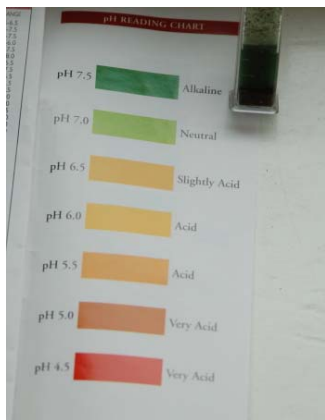
Sense	Clay soil (eg. Football pitch)	Sandy soil
		
		
		

What kind of soil samples do you have?

.....

Did different plants grow in the areas the soil came from? Give examples

.....  
 .....  
 .....



Take the soil sample and put 2 spatula measures in a test tube.

Add about 5cm<sup>3</sup> of distilled water.

Stopper the tube and shake it for about 1-2 minute(s)

Set up a filter funnel and paper

Filter the mixture into another test tube

Add universal indicator to the filtrate (or test with pH paper)

Record the pH value of your soil, **keep the pH paper**

**Repeat this test with the other soil samples from your exploration**

**Fill in the table below.**

<b><u>SOIL SAMPLE</u></b>	<b><u>pH</u></b>
Soil sample River walk	
Soil sample A	
Soil sample B	
Soil sample C	

What does this say about the soil and the plants that grow there?

### Exploring a new environment

Use this page to write down the names of plants & creatures you discover.

5 New : 5 Knew

### Exploring a new environment

Use this page to make any relevant sketches.



