



### HCAT Theme Park Challenge



## Your Challenge

HCAT have a vision to build their own theme park in the few years. It's going to be launched as the first Theme Park suitable for children only and classes will be able to book their places over the academic year.

Your spending limit is **£65,000**

1. You must carefully decide what sort of rides you are going to have. You also need to think about other facilities visitors will need like toilets, cafes, shops.

2. Many theme parks have different areas that are 'themed'. In other words, they might have an 'African' area or a 'Space' area. Think carefully about what you would like in yours!



## Planning your Theme Park

Watch this video to get you thinking about what you might include within the HCAT park.

[Theme Park Advertisement](#)

It's time to draw and design your theme park on squared paper. You must not go over your spending limit and you must include:

**CAR PARKS, TOILETS, CAFES, SHOPS AND RIDES (OF YOUR CHOICE)**

Item	Number of squares	Cost per item
Major ride	9	£5000
Minor ride	6	£2000
Café	4	£1000
Shop	4	£700
Vending machine	1	£50
Toilets	4	£100
Paths		£20 per 5cm length
Lake		£500 per square
Car park		£50 per square

## Running the HCAT Theme Park

To run the HCAT theme park the following costs will apply to each item that you have every day. Complete the table below to find out how much it will cost to run your theme park each day.

Item	Staff Costs	Running costs	Total costs per	Number in your	Cost in your
Major ride	£50	£___	£110		
Minor ride	£___	£40	£80		
Café	£30	£20	£___		
Shop	£20	£___	£40		
Toilets	£___	£5	£10		



How much will it cost to run your theme park for 1 day? If 100 people came in and paid £5 each would you make any profit? How many visitors do you need to make a profit?

### Weekly Reading Tasks (Aim to do 1 per day)

Can you click on the picture below, download the text and have a go the LIRA questions?

**Literal:** Why were Gabby and her family out at sea?

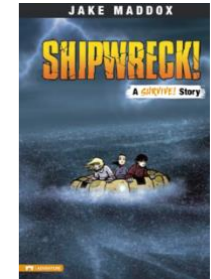
**Literal:** How many years has Captain Steve been working on the boat?

**Inference:** Why do you think Captain Steve cannot guarantee Gabby will see a whale?

**Inference:** Read page 8, how does Gabby feel about being on the boat? How do you know?

**Literal:** How many times did it take Miles to pass his lifeguard test?

**Author intent:** Read page 10, 'she pointed to something large swimming several yards away' what does the word several mean?



**LIRA**

Can you click on the picture below and have a go the LIRA questions?



**LIRA**



**Literal:** What was the name of the boat Gabby and her family were on?

**Reader Response:** Read page 11, how did Gabby's mood change on p11 when compared to the start of the book? Use evidence from the text to support your answer.

**Inference:** Why do you think the orcas attacked the boat?

**Reader Response:** 'We have to abandon ship!' What does the word abandon mean in this sentence?

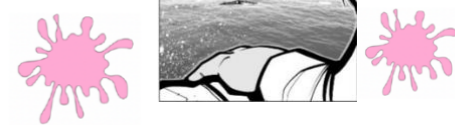
**Inference:** At the end of p13 can you predict what you think will happen to the family? Can you use evidence from the text to support your answer?

**Author Intent:** Why do you think the author chose to use the title 'Goodbye to the Gusto' for chapter 2?

**Inference:** Can you infer how Gabby felt as she drifted away from her parents?

## Character Splat

Can you use the text to identify the key characteristics of Gabby?



### HCAT Theme Park Challenge

### Weekly Writing Tasks (Aim to do 1 per day)

## There's an app for that!



Your theme park is getting really popular by the day as more schools hear about it! However, the more people that are in the park the more confusing the layout becomes. You are launching a free app to help children navigate their way around.

Your task is to look at your theme park design and **write directions between as many of your attractions as possible.**

Start at your entrance and plan your route- you could even record it via seesaw/twitter once complete!

## What's the area?

Now you've designed your park you need to think about how many square metres each ride is going to cover in your park. Each square on your plan is equivalent to 4m squared. Can you work out the area each ride will take up?



**=4m squared**

**++ Can you calculate the perimeter for a fence to go around each ride?**

## To Be Continued

Before reading the end of the narrative and finding out Gabby's fate can you create your own ending?

Did she see her parents again?

Did the Orcas come back?

Did they make it safely to shore?

Did the drift out further to sea?



## For or Against Sea World

Some Orcas are kept in captivity in places like Seaworld, do you think this should be allowed? Can you write an argument based on your opinion of orcas in captivity?



## ORCA FACT FILE

Orcas caused Gabby to abandon ship, are there any other cases where orcas have been dangerous to humans?

Can you create an informative report on an Orca?

Click the video to watch an orca hunt



