



ILLAWARRA FLY – STAGE 3 WORKBOOK

NAME-

ILLAWARRA

FLY

Treetop Adventures

ILLAWARRA FLY EDUCATION PROGRAM



Education Points of Interest

- | | | | |
|---|-----------------------------|---|---------------------------------|
| A | Rainforest Giants | K | Cantilever One |
| B | Fern Growth | L | Birds Loud and Shy |
| C | Tree or Fern? | M | Knights Tower |
| D | Creatures Everywhere | N | High-rise Housing in the Forest |
| E | Rice in Life | O | Cantilever Two |
| F | Dozer's Burrow | P | End of the Treetop Walk |
| G | Layer Upon Layer | Q | The Crimson Rosella |
| H | The Copperhead | R | The Ultimate Compost |
| J | Welcome to the Treetop Walk | S | Vines, Creepers and Climbers |
| J | Zipline Cloud Station Four | T | Debrief Time |



Zipline Points of Interest

1. Zip H.Q. & Briefing Room
2. Departure Lounge
3. Zipline Bridges over Fern Gully
4. Super Zip (106m)
5. Landing Zone
6. Zipline Exit to Treetop Walk

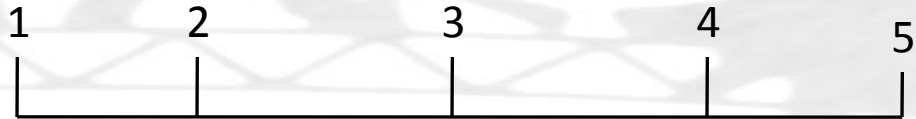
Treetop Walk Points of Interest

1. **Visitor Centre and Café 106**
Café 106 is open 7 days a week for breakfast, lunch and snacks and is fully licensed. Reward yourself after a fun-filled day with some jam and cream on scones or a hearty hamburger.
2. **Wombat Junction**
Keep a lookout for resident wombat Dozer who lives here. Please do not disturb.
3. **Treetop Walk Entrance and Courtesy Cart Drop-off**
4. **Cantilever One**
5. **Knights Tower Lookout (45m)**
Climb the spiral staircase to the highest point of the Illawarra Fly Treetop Walk, 45 metres above the forest floor, and admire the unique views from the Illawarra Escarpment.
6. **Cantilever Two**
7. **Treetop Walk Exit and Courtesy Cart Pickup**

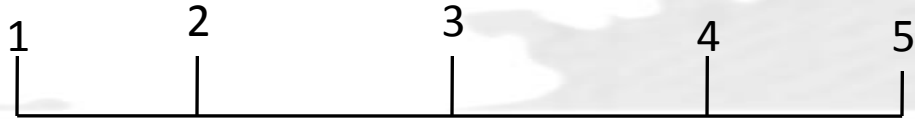
WHAT'S IT LIKE WHERE AM?

WHAT ARE THE PHYSICAL CONDITIONS LIKE WHERE I AM? (MARK 1 FOR LOW AND 5 FOR HIGH)

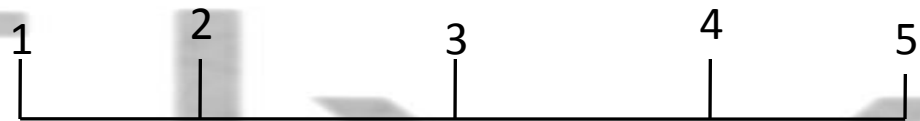
LIGHT



WATER/RAIN



WIND



TEMPERATURE



TREE FERN MEASUREMENTS PART 1

Tree fern age = Fern height divided by growth per year

Tree Fern 1 (to the right of point C)

This Rough Tree Fern is roughly 2.1 metres in height and grows 7 cm a year. How old is this Rough Tree Fern?

Tree Fern 2 (to the left of point C)

This Rough Tree Fern grows 6 cm a year and is 35 years old.

Approximately how tall is this Rough Tree Fern (in metres)?

How do they Survive?

Write one structural way that each of the the animals below survive.







What does the Rainforest...

Smell like- _____

Sound like- _____

Look like- _____

Feel like- _____

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Treetop Adventures

TREE FERN MEASUREMENTS PART 2

Tree Fern 3 (to the right of Dozer's Burrow)

This Soft Tree Fern is 1.5m tall and around 30 years old. How fast does this Soft Tree Fern grow every year (in centimetres)?

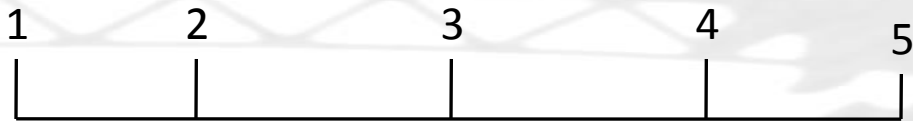
Tree Fern 4 (to the right of point H)

This tree fern is around 3.2m tall and is around 40 years old. How much does this tree fern grow in a year (in centimetres)?

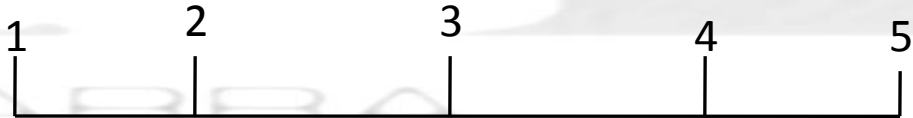
Canopy vs Floor conditions

What do you think the physical conditions are like in the canopy vs on the forest floor? Use a C to mark for canopy and an F to mark for floor

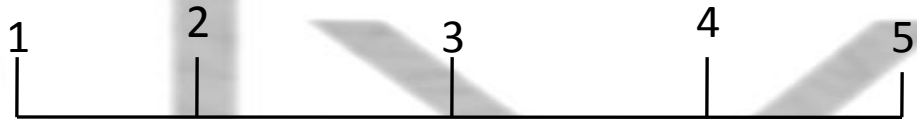
LIGHT



WATER/RAIN



WIND



TEMPERATURE



TREE FERN PART 3

TREE FERN 5

This Rough Tree Fern is around 3.6m tall and is around 60 years old. How much does this tree fern grow each year?



How long is the Zipline?

Structure of zipline

40 m zipline → 30 m suspension bridge → 25 m suspension bridge → 106 m zipline → 50 m zipline.

What amount of length is ziplining?

What amount is suspension bridge walking?

What is the total amount of cable that you will use when flying/walking?

What is the halfway point of the Zipline?

Human changes in the environment

The whole Illawarra region used to be rainforest. Looking at the Illawarra region, identify are four man made changes to the region that you can see?

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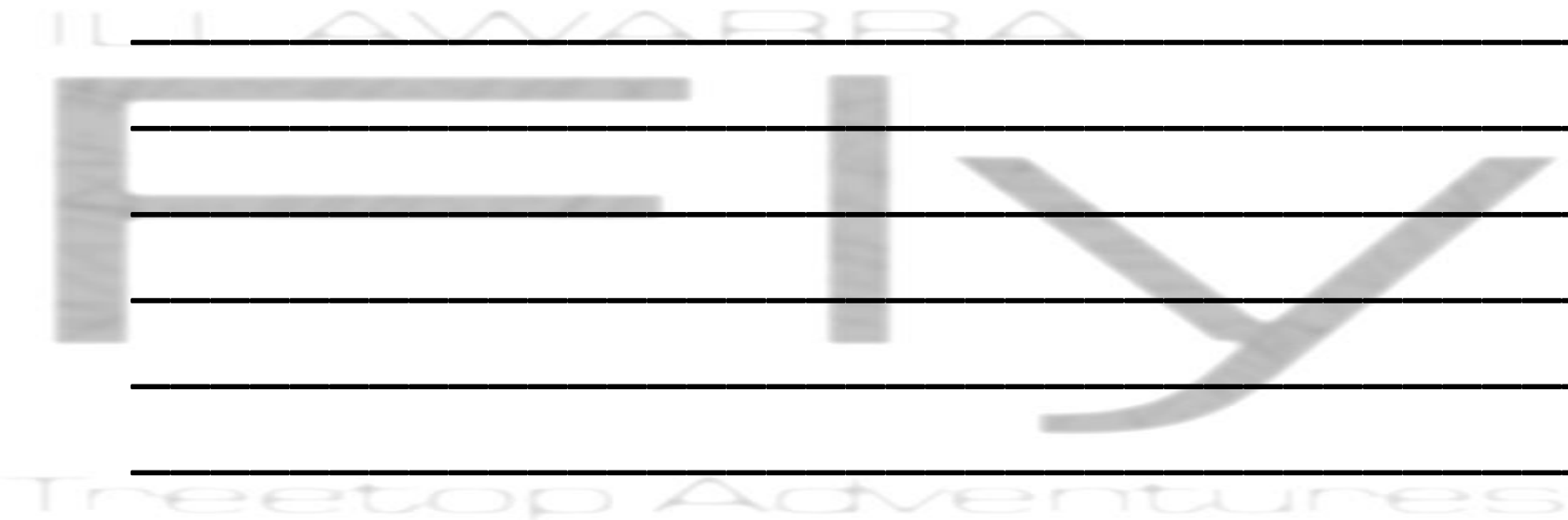
How high is the Zipline?

The Zipline station is 10m above where you are standing. You are standing 25m above the forest floor. How high is it from the ground where you are, to the point where the station is?

From the bottom of the tree to Zipline station 1 is 16m. How far does the escarpment go lower from the ground below the station to the ground below us on the Treetop Walk?

If I could change one thing...

You are asked to design something new for the Illawarra Fly Treetop Walk to help improve sustainability or lessen the impact of it on the environment. What would it be and why?



Crimson Rosella Profile

What does it look like?



What things within it's structure allow it to fight/escape predators and help it survive?

How well is this animal suited to survive it's environment? (1 for not well, 5 for very well)

1 2 3 4 5

| | | | |

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Vine Profile

What does a vine look like?



What structural features help the vine to grow and also to survive?

How well suited is the vine to surviving in it's environment?



TREE FERNS MEASUREMENTS PART 4

TREE FERN 6 (taller, rough tree fern to right of sign)

This Rough Tree Fern is 1.5m in height and is 50 years old. How much does this Soft Tree Fern grow a year?

TREE FERN 7 (shorter, Soft Tree Fern to right of sign)

This Soft Tree Fern is 20 years old and is around 60 cm high. How fast does this Soft Tree Fern grow every year?

What does it all mean?

-On the map provided on page 2, mark in the locations of the Tree Ferns you saw on the tour.

-In the table to the right, order the Tree Ferns from highest to lowest amount of growth per year.

order	Tree Fern Number	Amount of growth	Grid Reference
1 st			
2 nd			
3 rd			
4 th			
5 th			
6 th			
7 th			

Why do some of the Tree Ferns grow quicker than others? Think about physical conditions that were mentioned at the start of the tour and in your pre-excursion activity.
