**Name: Teacher Version**

**Block: Everest Documentary –** 53 min.

**Teacher:**

**Learning Objective**

1. Locate physical features in the region including the Ganges river, Hindu Kush Mountains, and the Indian Ocean.

1. How many of the tallest mountains on the planet are found in the Himalayas?

14

2. How many Empire State buildings would you have to climb to get to the top of Everest?

8

3. What percentage of people die climbing Everest?

10%

4. What kind of rock is the “yellow layer” below the summit?

Marble

5. What kind of rock is at the base of Everest?

Granite

6. How old is the Sea Lilly Fossil?

400 million years old

7. What happens when the “black rock” is split open?

It reveals a fossil.

8. Where was this tree fossil found?

India, South America, Africa, Madagascar, Australia

9. 80 million years ago India split away from what modern day continent?

It broke away from the supercontinent, what is now Africa – TEST QUESTION

10. How fast was India moving every year towards what is now Asia?

10-12 inches a year

11. What color are khanate crystals? How far down was the stone at one point?

Blue, 30 miles

14. What scientific tool is monitoring the Himalayas every second of everyday for the last five year?

GPS station

15. When was the most recent major earthquake in the region?

2005

16. Cherrapunji has 12x more rain than Seattle…. why is this?

The Indian Monsoon system – TEST QUESTION

17. What major rivers do the monsoons fill?

Yangtze, Indus, Ganges Rivers

18. What does erosion do to mountains?

It wears down the mountain, due to monsoons, earthquakes, rivers….

19. How fast is Everest growing?

.5 inches a year

20. What happened to world temperatures as the Himalayas crashed into Asia?

World temperature started to fall, an ice age started