FIRE BEHAVIOR RECORD (1 OF 5)

Во	ard Conc	litions — th	ese stay the same for all three rounds					
Set	up the be	oard so it ha	s:					
•	• 1 house with a fire break							
At least 65 trees								
	10.15							
• 10-15 water squares								
•	7-10 squ	ares with de	ad wood					
Wr	ite down	the number	of trees, river squares, and houses that you choose to put on your boar	rd below:				
Tre	es:		Water: Dead wood:					
	RST ROU Roll an 8	JND 8-sided die 1	for climate					
	Roll	Climate	Conditions					
	1 or 2	Very wet	Trees only burn in four directions, North, South, East, West					
	3 or 4	Wet	Trees burn in all 8 directions					
	5 or 6	Dry	Trees burn in all 8 directions, plus for two spaces in the direction of wind, but the fire cannot jump breaks					
	7 or 8	Very Dry	Trees burn for 2 spaces and the fire can jump a fire break (1 space)					
Write down the number you rolled and the climate conditions.								
	Number	• •	Condition:					
	* If you §	get a Very W	Vet Climate, look for a special rule later on.					
2.	Roll a di	ie for wind/	no wind					
	Even nui	mbers are w	ind, odd number are no wind.					
	Write do	own the num	mber you rolled and whether there is wind.					
	Number	::	Is there wind?					
	* If you l	have wind, r	oll the 8-sided die for wind direction. Look at the compass to figure ou	at which direction the wind i				

Write down the number you rolled and the wind direction.

Number: _____ Wind direction: ____

rolling from. If there is no wind, skip to lightning.

FIRE BEHAVIOR RECORD (2 OF 5)

2.	Roll for a lightning strike						
	Roll a 10-sided die twice to see where lightning hits and start the fire. The first roll is the row						
	across, same as the number you rolled. The second roll is the vertical column: 1=A, 2=B, 3=C, 4=D, 5=E, 6=F, 7=G 8=H, 9=I, 10=J. Write down the numbers you rolled and the location of the lightning strike.						
	First number: Second number: Strike location:						
	SPECIAL RULE FOR VERY WET CLIMATE:						
	After rolling to determine the lightning location, roll again. The trees around the lightning						
	strike only catch fire if the roll is an even number.						
	VERY WET CLIMATE ONLY: Write down the number you rolled and if the trees burn.						
	Number: Will the trees catch fire?						
	Look at your board conditions, climate, wind, and lightning strike location. What do you think is going to happen? Explain why.						
3.	Continue the fire until everything is burned or the fire cannot burn any longer.						
	What happened? Did the fire burn the way you thought it would?						

FIRE BEHAVIOR RECORD (3 OF 5)

Return the board to its original conditions with the house, rivers and dead wood in the same places as before. For the second round, you will roll again for climate, wind and lightning.

SECOND ROUND

1.	Roll an 8-sided die	for climate				
	Write down the number you rolled and the climate conditions.					
	Number:	Condition	on:			
2.	Roll a die for wind/no wind.					
	Write down the number you rolled and whether there is wind.					
	Number:	Is there	wind?			
	If there is wind, roll for direction. Write down the number you rolled and the wind direction.					
	Number:	Wind di	rection:			
3.	Roll for a lightning strike.					
	Remember there is a special rule for a very wet climate.					
	Write down the numbers you rolled and the location of the lightning strike.					
	First number:	Second number:	Strike location:			
	VERY WET CLIMATE ONLY: Write down the number you rolled and if the trees burn.					
	Number:	Will the	trees catch fire?			
	Look at your board conditions, climate, wind, and lightning strike location. What do you think is going to happen? Explain why.					

FIRE BEHAVIOR RECORD (4 OF 5)

2.	Continue the fire until everything is burned or the fire cannot burn any longer.				
	What happened? Did the fire burn the way you thought it would?				
Tŀ	HIRD ROUND				
1.	Roll an 8-sided die for climate				
	Write down the number you rolled and the climate conditions.				
	Number: Condition:				
2.	Roll a die for wind/no wind.				
	Write down the number you rolled and whether there is wind.				
	Number: Is there wind?				
	If there is wind, roll for direction. Write down the number you rolled and the wind direction.				
	Number: Wind direction:				
3.	Roll for a lightning strike.				
	Remember there is a special rule for a very wet climate.				
	Write down the numbers you rolled and the location of the lightning strike.				
	First number: Second number: Strike location:				
	VERY WET CLIMATE ONLY: Write down the number you rolled and if the trees burn.				
	Number: Will the trees catch fire?				
	Look at your board conditions, climate, wind, and lightning strike location. What do you think is going to happen? Explain why.				

FIRE BEHAVIOR RECORD (5 OF 5)

•	Continue the fire until everything is burned or the fire cannot burn any longer.			
	What happened this time? Did all the fires burn the same way?			
	Now that the fires have burned three times with the same basic conditions, compare the different ways the fires burned. What had the biggest effect in how the fires burned?			
	Were there things that surprised you? Why or why not?			