

Teaching & Learning Plan 2

Student Learning Tasks: Teacher Input	Student Activities: Possible and Expected Responses	Teacher's Support and Actions	Checking Understanding
» Working in pairs, brainstorm phrases used to describe the probability or chance of an event.	» Students will fill out phrases on Student Activity 1B : <ul style="list-style-type: none"> • a dead cert • a very good chance • likely • almost certain • no chance • more than likely • extremely likely • 50/50 • a small chance • extremely unlikely • never • 1 in a month of Sundays • highly likely 	» Check if everyone understands the task. » Walk around to see what students are writing down. If anyone is struggling, ask questions which will give them a hint of an example. » Take selections from each group and record them on the board/flipchart/laptop.	» Did students have lots of different suggestions once they understood the task?
	» Students copy from board the selection phrases (about 12) discussed by class.	» Distribute Student Activity 2 .	

Teaching & Learning Plans Plan 2: Probability and Relative Frequency

Relationship to Syllabus:
Junior Certificate Syllabus
Leaving Certificate Syllabus



Student Activity 1A

My prediction:

Which number is most likely to appear _____?

Which number is least likely to appear _____?

Student Activity 1B

Number Which Appears on Die (Outcome of Trial)	How Many Times Did This Happen? Use Tally Marks to Help You Count	Total (Frequency)	Fraction of Total Scores (Relative Frequency) $\frac{\text{Frequency}}{\text{no. of trials}}$	Percentages of Total Scores $\frac{\text{Frequency}}{\text{no. of trials}} \times 100$
1				
2				
3				
4				
5				
6				
Totals				

Student Activity 1C

The sum of all the relative frequencies is _____?

The sum of all the percentages is _____?

Student Activity 1D

Conclusion: (Refer to prediction)

Student Activity 2A Master Table

Number Which Appears on Die (Outcome of Trial)	How Many Times Did This Happen? (Frequency) Each Class Group Writes in Result	Total of Frequencies	Fraction of Total Sores (Relative Frequency) $\frac{\text{total}}{300} = \frac{\text{Frequency}}{\text{sample size}}$	Percentage of Total Scores $\frac{\text{Frequency}}{\text{no. of trials}} \times 100$	Probability of Each Outcome
1	E.g. 5+6+5+....				
2					
3					
4					
5					
6					

Student Activity 2B

My prediction:

The sum of all the relative frequencies is _____?

The sum of all the percentages is _____?

Student Activity 2C

Conclusion: (Refer to prediction)

