



Skills for Life  
Professional Development Centre

# Lesson Plan

<b>Tutor</b>	Tracy Part	<b>Date</b>	Session 1
<b>Course</b>	Advanced numeracy for teachers	<b>Time</b>	3:30 - 6:30
<b>Subject</b>	Probability	<b>Location</b>	Lewisham PDC Training Centre
<b>Aim of session:</b> To introduce the concept of probability to the learners and explore the and/or rules. Introduce some teaching strategies for supporting the learning of probability.	<b>Standards covered</b>		
<b>Learning outcomes:</b> What will the learners be able to do by the end of the session? <ul style="list-style-type: none"><li>• Identify their own learning needs for unit 3</li><li>• Use the terminology of probability</li><li>• Apply the and / or rules to solve a problem</li><li>• Determine if an event is dependant or independent and use a suitable format to calculate the probability (space table or a tree diagram)</li></ul>	<b>Assessment:</b> How will you assess what the learners know? <ul style="list-style-type: none"><li>• Self-assessment.</li><li>• Individual contributions and feedback back from group investigation</li><li>• Individual assignment</li><li>• Q &amp; A</li></ul>		
<b>Notes/ Differentiated needs</b> Present information in a manner that caters for different learning styles Include extension tasks Encourage learners to write their own questions from probability Complete different investigations using dependant and independent events Scenarios for supporting learners with probability			



Skills for Life  
Professional Development Centre

# Lesson Plan

Timing	Subject matter	Teacher activity (strategies)	Trainee	Learner activity	Resources
3:30	Aims and objectives of session	Take register and introduce session.		Q & A	Register. Lesson plan.
3:40	Language of probability	Explain task and help as necessary. In pairs/group, put the terms on probability scale. Empirical probability versus classical probability and the role of probability in Anti Terror Legislation		Use a scale to distribute the language of probability scale. Fit the scenarios to terms.	Language of probability scale, terms and scenarios.
4:00	Rules of probability	Lecture on probability rules.		Listen. Take notes. Q & A. Complete small exercises.	Handout Smartboard
4:10	Explore AND/OR rules for independent events.	Lecture on "and" and "or" rules and facilitate investigation.		Listen. Take notes. Take part in discussions & complete activity.	AND/OR handout
4:40	Dependent events Smarty investigation	Facilitate the exploration of the probability of dependant events.		Participate in discussion and investigation	Smarties Handout
4:55	BREAK / learner satisfaction survey				
5:25	Matching activities	Explain activity. Help as necessary.		Small group work. Match scenarios to in/dependent and and/or cards.	Scenarios; and/or; dependent/ independent cards
5:35	Probability investigations.	Divide into 2 groups. Explain the aim of the investigation and facilitate group work.		Carry out investigation in groups. Feedback to whole group.	Letters investigation, Make your own
6:00	Explore materials for teaching probability and Plenary including different teaching methods	Facilitate discussion and provide scenarios for different support situations		Participate in discussion	Averages and grouped data handouts.
Session Evaluation What would you do to improve the session next time you teach this topic? <input type="text"/>					



Skills for Life  
Professional Development Centre

# Lesson Plan