

<b>Course:</b> FEML Numeracy Pilot (wise owls)	<b>Start date:</b> 17 <sup>th</sup> Jan 15
<b>Venue:</b> Oldham Library	<b>End date:</b> 7 <sup>th</sup> Feb 15
<b>Tutor:</b> Yvette Cotman / Nigel Gratton	<b>Course length:</b> 4 weeks

**Course aims:** To enable learners to develop their own Math's skills whilst engaging in Maths Family Learning based activities which will have an impact on their children and families.  
 To enable learners to become familiar with technologies/software available to support their own and their children's maths.  
 To enable learners to use/create opportunities at home to support their child's development in Maths.

- Group Learning Goals:**
- Be familiar with Family Learning.
  - Identify and work towards personal learning goals.
  - Recognise the role parents/carers play in their child's education.
  - Recognise that Maths is all around us.
  - Explore the Language of Maths.
  - Identify opportunities to use maths language and practise math's skills.
  - Become familiar with technologies/software available to support math's Skills.
  - Make learning aids to use with their children to develop skills in Maths.
  - Become confident with modern methods of addition, subtraction, multiplication and division
  - Evaluate sessions.
  - Identify progression routes

Week	Topic	Activities/Resources/Learning Outcomes
1	<b>Enrolments</b> Maths All Around us Skill check assessments-adults only	<ul style="list-style-type: none"> <li>• Find out about the course</li> <li>• Discuss maths language</li> <li>• Identify everyday opportunities to help your child with their maths</li> <li>• Utilise opportunities to explore maths</li> <li>• Share maths activities whilst having fun</li> <li>• Skills check for parents</li> </ul> <p><b>Resources:</b>            Register, Enrolment forms, Learner logs, Flip chart and pens,            Handout 1 Maths language            Handout 2 Maths Around Us Scenarios            Selection of Books - Provided by Oldham Library            Garden Games Templates            Craft equipment            Skills check assessments</p>

<p><b>Week 2</b></p>	<p><b>Multiplication methods-helping children with homework.</b>  <b>Multiplication 'Cootie Catcher'</b>  <b>Shape and Space</b>  <b>Treasure Hunt</b></p>	<ul style="list-style-type: none"> <li>• Return marked skills check assessments and discuss results. Explain meaning of levels awarded and equate to GCSE grades</li> <li>• Recall topics covered in session 1 and discuss interaction with children</li> <li>• Multiplication methods - presentation 'The Journey to Long Multilication'</li> <li>• Importance of 'times tables'</li> <li>• Presentation 2D and 3D shapes - terminology</li> <li>• Shape keyring (2D)</li> <li>• Shape hunt in and out of the library</li> </ul> <p><b>Resources:</b>  Register, Enrolment forms, Learner logs, Flip chart and pens,  Handout 1 Grid Method Worksheet  Handout 2 Print out of Smartboard presentation  Cootie Catcher templates  Scissors  Coloured felt pens  Marked Skills check assessments</p>
<p><b>Week 3</b></p>	<p><b>Maths and The internet</b>  <b>Software/Phone Apps</b>  <b>Addition and</b></p>	<ul style="list-style-type: none"> <li>• Review of multiplication methods from last session and implications of interactions with children</li> </ul>

**Subtraction methods**  
**Coordinates**

- Introduction to chunking numbers
- Importance of understanding Place Value
- Addition and Subtraction Methods
- Using the internet to promote Mathematics learning
- How to access/use Mymaths
- Investigating useful mathematics websites
- Introduction to Coordinates

**Resources:**

Register, Learner logs, Flip chart and pens,  
Handout 1 Addition and Subtraction methods  
Handout 2 Print out of Smartboard files  
Alien mask coordinate templates  
Craft equipment  
Skills check assessments

<b>Week 4</b>	<b>Division methods</b> <b>Measure</b> <b>Evaluations</b> <b>Certificates</b>	<ul style="list-style-type: none"><li>• Recall chunking and how it aids experimentation and understanding</li><li>• Division methods</li><li>• Measuring up (creative collage of your child)</li><li>• Use ordinal and cardinal numbers</li><li>• Evaluation bubbles</li></ul> <p><b>Resources:</b> Register, Learner logs, Flip chart and pens, Handout 1 Print out of Smartboard presentation Handout 2 Division questions Craft equipment</p>
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