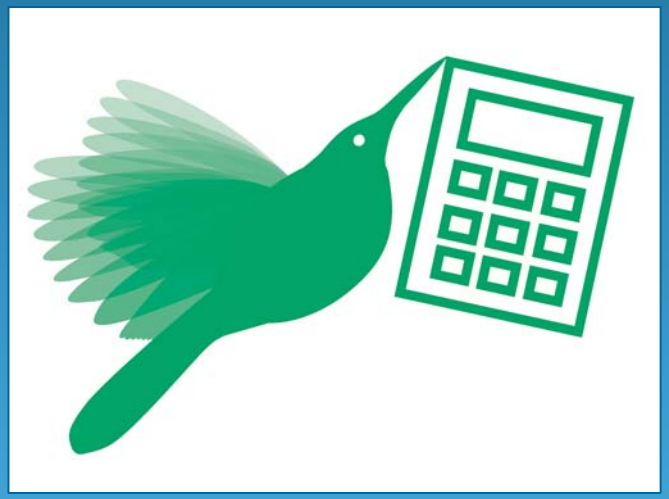
SmartScreen.co.uk
Dedicated online support

Available in May 2011

Support for all **5** levels of 3748 Functional Skills in maths (Plus)



What is FS Maths (Plus)?

- We have taken on board your suggestions and feedback from our free FS resources, and have created a new simple package to support your teaching & learning needs for all **five** levels of FS Maths

- It covers: Entry 1, Entry 2, Entry 3, Level 1 & Level 2

SmartScreen.co.uk
Dedicated online support

What you get for every level of FS Maths (Plus):

Schemes of work & Lesson plans	• with tips on how to deliver the content
Tutor notes	• learning outcomes map activities to **every** FS criteria • differentiation (how to extend/deal with those struggling) • vocational scenarios • **detailed underpinning knowledge** to help you revise maths skills
Activities	• over 40 activities with common themes across all levels • detailed activity sheets include: information, problem solving, worksheets, skills check & extensions • **sample answers** to each activity

What you get for FS Maths (Plus) as a whole:

Projects	• 10 projects to choose from • build on learners' problem solving skills • learners will have to complete a series of calculations to meet the coverage and range criteria based on a scenario • include **answers & marking guidance**
Resources & Glossary	• list of useful websites or books specific to teaching FS Maths & glossary of terms that learners may come across

Sample: Tutor notes

Activity 2: Bake sale

Tutor notes: Comparisons

Problem to solve	You are helping out with a bake sale. You will need to put price labels on cakes and drinks.

Learning outcomes

Coverage and range:

- describe the properties of size and measure, including length, width, height and weight, and make simple comparisons

Skill standards:

- Representing: understand simple mathematical information in familiar contexts and situations
- Interpreting: provide solutions to simple given practical problems in familiar contexts and situations
- Analysing: use mathematics to obtain answers to simple given practical problems that are clear and routine

Differentiation

Supporting those who are struggling:

- Help may be required in reading the information sheet to ensure learners understand what is required
- Most learners should be able to work through the activity unaided

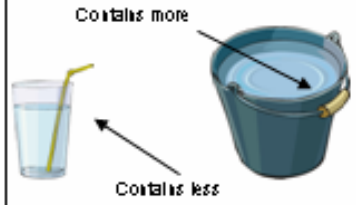
Supporting those who need extending:

- Learners could research special offers ie is buying large packs the better option?

© 2011 City and Guilds of London Institute. All rights reserved.
www.SmallScreen.co.uk

Underpinning knowledge

- When teaching comparison, it is best done using real objects.



Capacity can be practiced using jugs and water and a variety of containers

- Get the learners to compare the length of items in the classroom: which is bigger, longer, shorter, taller, wider, narrower etc.

You can use a tape measure or ruler

- Use scales and talk about which item is lighter, heavier etc.

There is tutor preparation involved in this topic, but a hands-on approach helps to reinforce the topic.

© 2011 City and Guilds of London Institute. All rights reserved.
www.SmallScreen.co.uk

Sample: Activity (worksheets)

Activity 1: Cinema

Information: Numbers and calculations

Problem to solve	Your birthday is coming up. You plan a trip to the cinema with 4 friends and a meal to celebrate. Work out the cost of the evening.

The film you want to watch lasts for 2 hours and the restaurant is near the cinema.

You booked a table at the restaurant for 8pm.

Work out the cost of the evening. (You are all adults.)

REX CINEMA FILM TICKET PRICES	Super Saver Monday to Thursday before 5pm	Peak Monday to Thursday after 5pm
Child (12 years and under)	£4.75	£5.65
Student	£5.25	£6.20
Senior Ages 60+	£5.25	£6.20
Adult Ages 18+	£6.40	£7.60
Family ticket (2 Adults 2 children)	£19.00	£22.60
Films are showing at 3.30pm, 5.30pm and 8pm		

The Restaurant

Set meals

2 Courses £15

3 Courses £20

CHINESE FOOD

Your tasks:

1. Work out the cost of film tickets for you and 4 friends
2. Work out the total cost of dinner if everyone orders 2 courses
3. Find out the total cost of the evening.

© 2011 City and Guilds of London Institute. All rights reserved.
www.SmartScreen.co.uk

Activity 1: Cinema

Problem solving: Numbers and calculations

Problem to solve	Your birthday is coming up. You plan a trip to the cinema with 4 friends and a meal to celebrate. Work out the cost of the evening.

Key findings:

Time the film ends	
Cost of the film ticket (per adult)	
Cost for the meal (per adult)	

How long does the film last?

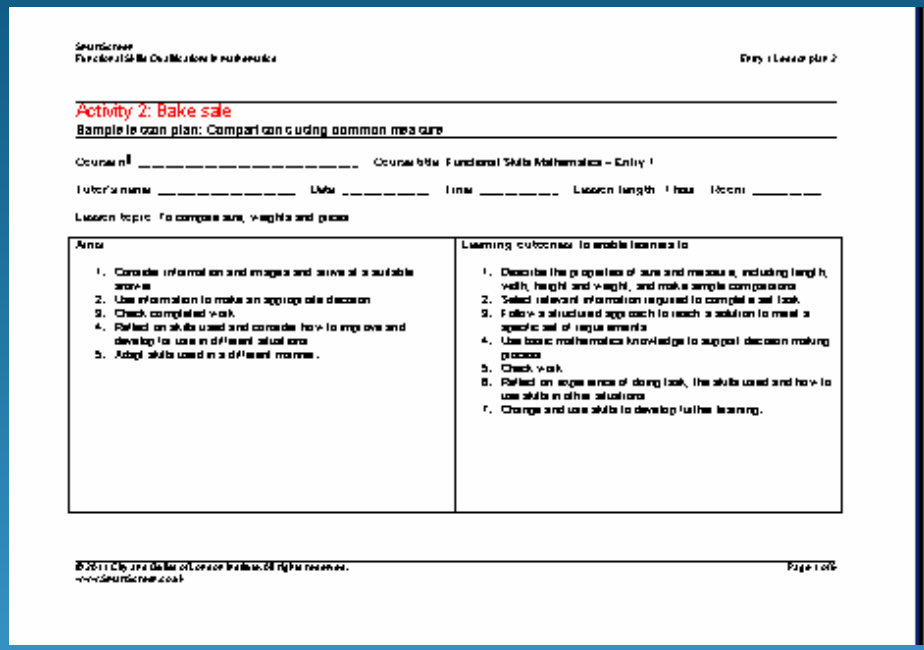
What's the best time to watch the film so that you don't have to wait long after the film ends to eat dinner?

How many people in total will be going to the cinema and having the meal?

What prices will the tickets and the meal be?

© 2011 City and Guilds of London Institute. All rights reserved.
www.SmartScreen.co.uk

Sample: Lesson plan



SkillsCheck
Functional Skills Qualification in Mathematics

Entry 1 Lesson plan 2

Activity 2: Bake sale

Sample lesson plan: Comparing using common measure

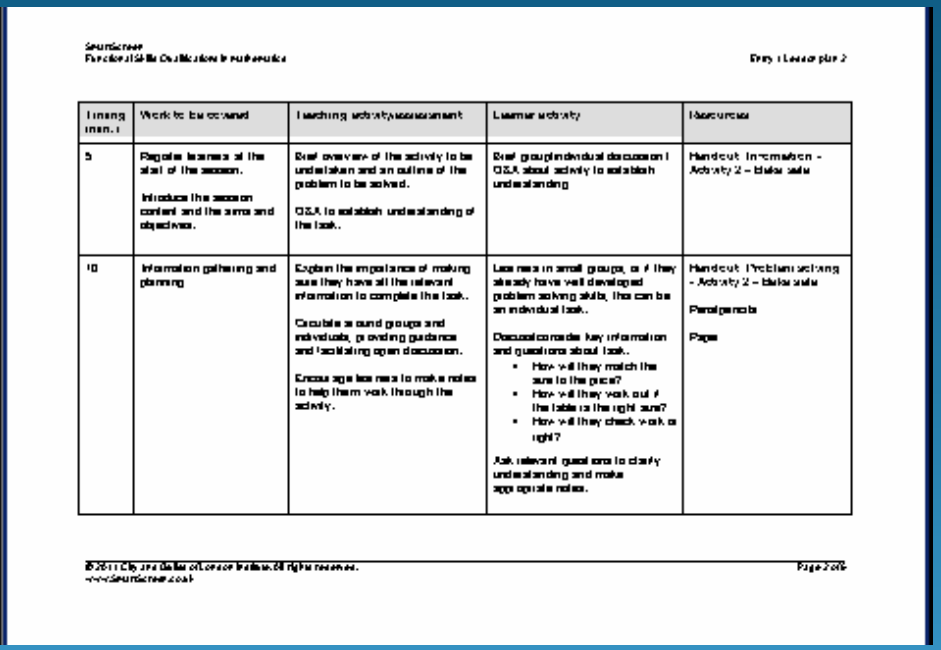
Course ref _____ Course title Functional Skills Mathematics – Entry 1

Tutor's name _____ Date _____ Time _____ Lesson length 1 hour Room _____

Lesson topic To compare sure, weights and pints

Aims	Learning outcomes: To enable learners to
1. Consider information and images and arrive at a suitable answer 2. Use information to make an appropriate decision 3. Check completed work 4. Reflect on skills used and consider how to improve and develop for use in different situations 5. Adapt skills used in a different manner.	1. Describe the properties of sure and measure, including length, width, height and weight, and make simple comparisons 2. Select relevant information required to complete set task 3. Follow a structured approach to reach a solution to meet a specific set of requirements 4. Use basic mathematics knowledge to support decision making process 5. Check work 6. Reflect on experience of doing task, the skills used and how to use skills in other situations 7. Change and use skills to develop further learning.

©2011 City and Guilds of London Institute. All rights reserved.
www.skillscheck.co.uk



Timing (mins)	Work to be covered	Teaching activity/assessment	Learner activity	Resources
5	Register learners at the start of the session. Introduce the session content and the aims and objectives.	Brief overview of the activity to be undertaken and an outline of the problem to be solved. Q&A to establish understanding of the task.	Brief group/individual discussion / Q&A about activity to establish understanding	Handout: Information – Activity 2 – Bake sale
10	Information gathering and planning	Explain the importance of making sure they have all the relevant information to complete the task. Circulate around groups and individuals, providing guidance and facilitating open discussion. Encourage learners to make notes to help them work through the activity.	Learners in small groups, or if they already have well developed problem solving skills, this can be an individual task. Discuss/consider key information and questions about task. • How will they match the sure to the pint? • How will they work out if the table is the right sure? • How will they check work is right? Ask relevant questions to clarify understanding and make appropriate notes.	Handout: Problem solving – Activity 2 – Bake sale Paralgenda Pape

©2011 City and Guilds of London Institute. All rights reserved.
www.skillscheck.co.uk

SmartScreen.co.uk
Dedicated online support

Coming this summer!

3748 Functional Skills in ICT (Plus)

3748 Functional Skills in English (Plus)

For costs or more info, please contact:
directsales@smartscreen.co.uk