

NEWCASTLE UNIVERSITY STUDENT LESSON PLAN

Subject: Financial maths for the future

Year Group: 10

Duration: 75mins

Number of Students: 15

Ability: Mixed ability



Learning Objectives

Financial Capability

- Consider a variety of activities designed to stimulate thinking about 'life costs' and develop practical financial skills.

Topic/Big Picture

- To understand how Maths will play a role in our future lives.
- That developing financial literacy is an essential life skill that will help us make informed decisions in our wider lives.

Start time



15:00

Starter

Money match up card activity. Students are to work in groups to match up the life cost or occupation up with the correct salary or cost. We will compare the answers with the students' thoughts and discuss. Is there anything that really surprises us? Has this changed your mind about future life choices? E.g. going to university. (5 – 10 mins).

Activities

Students are given cards with professions on. They must use their 'gut feeling' to rank the professions in order of annual income.

The students are then given some additional information about each profession in the form of job adverts. The students will be given time here to calculate the annual income of each and adjust their original list accordingly. How has this changed?

The students will then be given more additional information e.g. the builder gets paid double time on weekends and works 10 hours every weekend. They will be given time to recalculate income and adjust their list again. Is there anything that really surprises us here? Has anyone changed their mind about their ideal job?

Extension: As an extension, students can research tax bands and apply these to the income they have found for each profession and calculate the average take home wage of each profession per month. Has this changed their list? Are tax bands fair?

Activity: Finance Kahoot! Students to log into a PC or their phones and google Kahoot.it. This is an internet based quiz designed for this lesson which tests students' knowledge of key terminology and percentage tax facts etc.

Demonstrate New Understanding: Students will receive a phone bill, invoice and bank statement. They will be instructed to error check the documents. They will be asked to write their errors on post-it notes and after a sufficient amount of time they should come and stick their post it notes on projected versions of the documents. Discussion to follow with prompts such as: what mistakes have been made? Where have errors occurred? Why have these errors been made?

Review: Discuss and record one thing you have learned and one question you still have.



15:30

15:45



15:55

End time



16:15

PROFESSIONAL DEVELOPMENT QUESTION

Can I plan and teach a successful Financial Maths lesson?

BIG MATHEMATICAL THEME

Finance



KEYWORDS

Salary, VAT, statement, tax

LESSON OBJECTIVES

ALL

Students will be able to appreciate how Maths and money play a large role in life.

MOST

Students will be able to draw realistic links between financial income and life choices.

SOME

Students will be able to comprehend bank and bill statements.

Key Questions

How does the maths we learn apply in a real life context? How does this relate to the maths we have been studying lately?

Resources

- Presentation, resources, calculator

Assessment for Learning

- Targeted questioning
- Class discussion