

# NEWCASTLE UNIVERSITY STUDENT LESSON PLAN

**Subject:** Employment Lesson

**Year Group:** 7

**Duration:** 60mins

**Number of Students:** 30

**Ability:** Mixed ability

**Learning Objective: knowledge, understanding, skills, attitudes**

- To practice the techniques we have been working on lately in a real-world context
- To find out about the minimum wage, tax and National Insurance.
- To calculate earnings, tax and NI



**BIG MATHEMATICAL THEME**  
**Finance**



**KEYWORDS**

Minimum wage, earnings, tax, National Insurance, model, take-home-pay, PAYE contribution

**LESSON OBJECTIVES**

**ALL**

Students will be able to understand what the minimum wage is.

**MOST**

Students will be able to understand the maths involved in having a salary,

**SOME**

Some students will be able to relate employment and salary to standard of living

**Start time**



15:15

**Starter**

Engage pupils. Connect to previous learning. Share objectives

PowerPoint about the minimum wage, explain why. Using mini-whiteboards, ask:

So, how much does the minimum wage increase when you reach your 18th birthday?

How much would someone aged 19 on the minimum wage earn working a 40 hour week?

How many hours would you need to work to earn £200 if you were aged 17 and on the minimum wage?

If you are 25 and on the minimum wage, how much would you get per hour for working overtime at 'time and a half' on Saturdays?



15:30

**Tasks/Activities**

Working in pairs, pupils to devise 5 new questions based on this information (back of books, must know answers but keep secret) for another pair to complete.

15:45

Using resource sheet 5, students (still in pairs) calculate gross monthly pay and gross weekly pay for various jobs. Right of class: fill in top 4, middle of class: middle 4, left of class: bottom 4 (10 questions so some overlap).



15:55

Run through answers.

**End time**



16:15

**Plenary: Reflect. Review. Preview.**

Explain a little about National Insurance contributions, provide figures on PowerPoint.

**Key Questions**

How much does someone on the minimum wage earn?

How is this related to the Maths we've been studying lately?

**Resources**

28 mini-whiteboards, pens, rubbers;

Powerpoint: "The minimum wage". 16 photocopies of resource sheet 5

**Assessment for Learning**

**Peer assessment – self assessment – open questions**

Using mini-whiteboards to assess whole class in starter