

**TITLE / KEY QUESTIONS:**  
 HOW CAN 'WINDOWS ON THE WORLD' HELP ME FIND OUT ABOUT GEOGRAPHY?

**AIM(S):**  
 TO BEGIN TO UNDERSTAND HOW INFORMATION COMMUNICATION TECHNOLOGY CAN BE OF USE TO THE GEOGRAPHER IN TERMS OF A SOURCE OF INFORMATION.

- OBJECTIVES / INTENDED OUTCOME:**
- TO ENABLE PUPILS TO EXPERIENCE I.C.T. USING CD-ROMS WITHIN A GEOGRAPHY BASED CULTURE
  - TO PROVIDE PUPILS WITH THE OPPORTUNITY TO INVESTIGATE ISSUES WHICH ARE OF INTEREST TO THEM AND THEREFORE HOPEFULLY RAISE THEIR INTEREST IN GEOGRAPHY.
  - TO BEGIN TO DEVELOP INDEPENDENT RESEARCH ABILITIES BY ALLOWING STUDENTS TO SEARCH FOR INFORMATION WHICH INTERESTS THEM.
  - TO GIVE THE PUPILS THE OPPORTUNITY TO WORK INDEPENDENTLY, WITH MINIMAL GUIDANCE FROM THE TEACHER
  - TO GATHER INFORMATION WHICH CAN BE USED FOR CASE STUDY MATERIAL AND/OR REVISION PURPOSES

**RESOURCES:**  
 COMPUTERS (AS MANY AS POSSIBLE!)  
 WINDOWS ON THE WORLD CD-ROM  
 PRE-BOOKED COMPUTER ROOM

**HOMEWORK:**  
 THE PUPILS TASK DURING CLASS IS TO NAVIGATE THE CD-ROM AND FIND OUT AS MUCH INFORMATION AS THEY CAN ABOUT A CERTAIN ASPECT OF GEOGRAPHY THAT IS OF PARTICULAR INTEREST TO THEM. FOR HOMEWORK THEY ARE ASKED TO WRITE A BRIEF REPORT (500 WORDS) ON WHAT THEY FOUND OUT AND HOW ICT WAS USED IN OBTAINING THIS INFORMATION.

THE IDEA IS THAT ANY INFORMATION WHICH THEY COLLECT CAN BE USED TO CONTRIBUTE TO THEIR PORTFOLIO OF CASE STUDIES OR TO BOLSTER THEIR REVISION NOTES FOR END OF YEAR EXAMS.

**SUBJECT CONTENT: CURRICULUM/SYLLABUS LINKS:**  
 THIS EXERCISE HAS THE SCOPE TO INVOLVE ANY ASPECT OF THE GEOGRAPHY CURRICULUM, PROVIDING THE STUDENTS WITH THE RARE OPPORTUNITY TO TRULY EXPLORE THEIR SUBJECT FREELY, WITH MINIMUM CONSTRAINTS WHILST GAINING VALUABLE ICT SKILLS.

**CROSS CURRICULAR LINKS/THEMES/COMPETENCES:**  
 INFORMATION COMMUNICATION TECHNOLOGY

**ADVANCE PREPARATION (ROOM AND EQUIPMENT):**  
 ENSURE THAT THE COMPUTERS ARE ALL SET UP AND THAT THE CD-ROMS ARE INSTALLED. IT IS VITAL THAT THIS PREPARATION IS COMPLETE BY THE TIME THE LESSON STARTS AS THE PUPILS SHPULD HAVE AS MUCH TIME ON THE COMPUTERS AS POSSIBLE.

**DIFFERENTIATION:**  
 THERE ARE A NUMBER OF POINTS WHICH MAY ARISE DURIN THIS EXERCISE. FIRSTLY THEIR WILL BE DIFFERENTIATION BETWEEN THOSE PUPILS WHO HAVE EXPERIENCE OF CD-ROMS AND THOSE WHO DO NOT. INTERESTINGLY IT MAY NOT CORRELATE THAT THE PUPILS WHO REQUIRE EXTRA ICT ASSISTANCE ARE THOSE WHO ARE BELOW AVERAGE ACADEMICALLY SO THE TEACHER WILL HAVE TO PAY EXTRA ATTENTION TO THIS AND CONCENTRATE ON ALL PUPILS INCLUDING THOSE ACADEMICALLY ADVANCED.

SECONDLY SOME PUPILS MAY FIND WORKING INDEPENENTLY A NEW AND CHALLENGING EXPERIENCE AND MAY FIND IT DIFFICULT TO WORK UNSUPERVISED WITHOUT CONTINUAL PROMPTING, IT IS ALSO POSSIBLE THAT MANY PUPILS MAY LOSE SIGHT OF THE PURPOSE OF THE LESSON AND WILL THEREFORE REQUIRE CONSTANT REMINDING.

ANOTHER KEY DIFFERENTIATING FACTOR IS THE QUESTION POSED BY THE TEACHER 'HOW HAS ICT BEEN USED IN GATHERING THIS INFORMATION. SOME PUPILS MAY IDENTIFY THE PROMINENT ROLE OF SATELLITIE IMAGERY IN THE CD-ROM WHILE OTHERS MAY NOT BE LOOKING AS DEEPLY.

**OVERALL TEACHING AND LEARNING STRATEGIES****TEACHER ACTIVITY****TIME****STUDENT ACTIVITY*****Introduction***

BRIEFLY EXPLAIN TO THE PUPILS THE ACTIVITY FOR THE DAY AND START TO DEMONSTRATE THE CD-ROM AND HOW TO NAVIGATE IT. IT IS IMPORTANT TO SPEND AS LITTLE TIME AS POSSIBLE ON THIS EXPLANATION AS IT MAY APPEAR TO BE QUITE BORING TO THE PUPILS AND THEY WILL BE EAGER TO GET TO GRIPS WITH THE TECHNOLOGY THEMSELVES. I.C.T. IS A PRACTICAL SKILL AND IS BEST UNDERSTOOD BY PRACTICE RATHER THAN THEORY. EXPLAIN THE HOMEWORK TO THE PUPILS AND MAKE SURE THAT THEY ARE CLEAR WHAT THEY SHOULD BE DOING.

10 MINS

***Introduction***

PUPILS WATCH THE BRIEF DEMONSTRATION AND TAKE NOTE OF THEIR HOMEWORK. THERE IS TIME AT THE END FOR QUESTIONS ALTHOUGH IT IS ANTICIPATED THAT MOST PUPILS WILL BE KEEN TO GET INVOLVED IMMEDIATELY.

***Development***

THE PUPOSE OF THE LESSON IS THAT IT IS AN EXPLORATORY EXPERIENCE FOR THE PUPILS AND ONE WHICH SHOULD INCREASE THEIR INTEREST IN GEOGRAPHY. FOR THIS REASON I FEEL IT IS IMPORTANT FOR THE TEACHER TO TAKE A BACK SEAT AS MUCH AS POSSIBLE. HOWEVER THE TEACHER SHOULD BE ALERT TO THOSE PUPILS WHO ARE GOING OFF TRACK AND TO THOSE THAT ARE HAVING DIFFICULTY WITH THE TECHNOLOGY.

55MINS

***Development***

PUPILS NAVIGATE THE CD-ROM LOOKING FOR INFORMATION WHICH INTERESTS THEM. THEY ARE ENCOURAGED TO TAKE NOTES AND PRINT OFF TEXT WHICH THEY FEEL WILL HELP THEM WITH THEIR HOMEWORK. IT IS HOPED THAT THE PUPILS WILL ENJOY THIS EXPERIENCE AND CONSIDER IT AS A WORTH WHILE AND VALUABLE LEARNING EXPERIENCE.

***Conclusion***

TEACHER ASKES THE CHILDREN TO LOG OUT OF THE CD-ROM AND ASKES PUPILS TO COMMENT ON WHAT THEY HAVE BEEN RESEARCHING. TEACHER ASSESSES WHETHER OR NOT THE PUPILS HAVE ENJOYED THE EXPERIENCE. CLARIFIES THE HOMEWORK.

5MINS

***Conclusion***

PUPILS EXPLAIN TO THE TEACHER WHAT THEY HAVE FOUND OUT AND EXPLAIN WHAT THEY THINK THEY GAINED FROM THE LESSON.

**ASSESSMENT OPPORTUNITIES, OBJECTIVES AND EVIDENCE**

THIS LESSON IS TO A CERTAIN EXTENT AN EXPERIMENT FOR THE TEACHER AS IT DOES NOT CONFORM TO THE TRADITIONAL LESSON PLAN. THAT IS NOT TO SAY HOWEVER THAT IT IS NOT A VALUABLE LEARNING EXPERIENCE FOR BOTH THE TEACHER AND THE PUPILS AND IT IS UP TO THE TEACHER TO ASCERTAIN WHETHER IT HAS BEEN PRODUCTIVE IN INCREASING THE PUILS GEOGRAPHICAL UNDERSTANDING.

A KEY ELEMENT OF THE CD-ROM IS THE ROLE OF SATELLITE IMAGERY. THIS TOPIC HAS NOT BEEN INTRODUCED IN THIS LESSON AS IT MAY COMPLICATE MATTERS AND TAKE THE 'GEOGRAPHY IS FUN' ELEMENT OUT OF THE LESSON. IT IS IMPORTANT HOWEVER THAT THE ROLE OF SATELLITIE IMAGERY IS CLARIFIED AND AS SUCH, IT MAY BE USEFUL TO RUN THIS LESSON AS THE FIRST OF TWO LESSON DISCUSSING THE USES OF ICT IN GEOGRAPHY. THE SECOND LESSON COULD PROVIDE A MORE THEORETICAL INTRODUCTION TO THE SUBJECT.

**EVALUATION OF TEACHING****EVALUATION OF LEARNING**