

Title Resource: Finding data/information electronically

URL: http://www.4learning.co.uk/netnotes/dsp_series.cfm?sectionid=30

Publisher: Channel 4

Strand: The strand of the IT National Curriculum to which this resource is related : Unit 5 – Finding things out

Scheme of Work Unit: The Unit 5 of the KS3 IT Scheme of Work that this resource will support: Data designing, structure and capturing and presenting data. Use of questionnaires, data bases and files, reports and presenting findings/graphs/charts etc...

Name of Evaluator: Eve Collins-Coppen and Siham Mukhtar

1. CONTENT & CURRICULUM RELEVANCE

What teaching objectives of the unit does this resource meet? Introduction to entire topic using two t.v. programmes. Aims

Programme 1

To show the value of digital communication in wide range of situations.

To explain key components of digital communication: binary code; multiplexing; noise removal.

Programme 2

To reveal the power of digital systems for storing, transmitting and recreating auditory and visual information.

To explain the underlying principles of CD and DVD, and of digital images and movies

Which learning objectives does this unit support? KS4 Levels 5&6

What are the strong and weak features of this activity for classroom use? You need the T.V. Programmes, Wide reaching and presents overall picture, but no specific/ focused activities for learning a strand of Nat. Curric.

What would teachers need to know in order to use this resource/unit effectively – ie. Where does this fit with in the Dfes standards? Levels of class. Special needs if any to view programme prior to use in class.

- Does the resource offer opportunities for differentiation for the brighter as well as less able pupil? It does, due to it's generalisation of unit 5. Discussions and trains of thought can be tailored.

Which curriculum topics will it support? See aims above.

Is it a single lesson idea or activity, or is it linked as part of a set? 2 lessons and starting point in to a long term set of activities. Class activity – potential for group discussions/work

afterwords.

Is the classroom information appropriate to classrooms of the target age group and does it give enough information about the activities suggested? Meets target age group and above – for information about activities, see

http://www.4learning.co.uk/netnotes/dsp_series.cfm?programid=1086

As an example.

Are there any resources provided for use with pupils? (see above) If there are, were they useful, and did they enhance learning/ capability within the classroom? One type of resource only, but very useful and chronologically helpful. Also useful for setting learning objectives and directions for questions.

Is the information structured to support learning e.g. in topics or as groups? Structured as class activity.

Is the information structured as a succession of developing ideas, as opposed to randomly linked material? Yes. Very structured.

Are there underlying values it reflects? Green issues, British views, gender, ethnicity. Does the title contain material which may be morally or ethically unsuitable for some groups? If so give details. V. good for: data protection, security, ethics and therefore overlaps with Unit 11 of the Nat. Curric.

EASE OF USE: It is a logical coherent structure. Clear contents and display. Index available, and easy to navigate.