



Student ICT Activity

Activity 10: Interpreting, analysing, evaluating - Using

research skills Curriculum link: (ACELY1703) Use comprehension strategies to analyse information, integrating and linking ideas from a variety of print and digital sources.

Lesson Description

Students will use search engines such as Google to search and compile a 'persuasive writing' report about the topic of _____

They are pointed to a number of different websites which presented arguments and statistics on both sides of the issue. They were asked to create a smooth, integrated account which drew on the documents but did not merely print them out or stitch them together.

They will conduct research and learn how to find resources that are relevant and valid. Begin the lesson as a whole-class discussion to determine what students already know about searching the Internet and how search engines work. It will be important to point out that the Web is a self-publishing medium, which is not always reliable, and that there are different ways to find information on the Internet.

Problem Statement

Write your own problem statement to present to students remembering to use key ICT terminology and features.

Searching Guidelines

- Keywords: Think carefully about the type of keywords you are going to use before you type them in. Spelling is crucial and it is important to think about the precise words you are looking for;

- Singular: Use singular words as much as possible;

- Combining words: Think how to combine words using Boolean operators such as AND, OR, NOT and truncation symbols such as *, "", #, +, &.

- Quotation marks: When you are searching for an exact phrase or sentence, always surround it with quotation or speech marks. This will return results where the two words are found

together. These features can all be combined to build up complex searches, for example, several phrases in speech marks added to a number of key words.

Achievement Standards (English)

- Explain how text structures assist in understanding the text.

Assessment

Higher Order Skills	ICT Techniques	Curriculum link
<p>Synthesis: Students identify what they already know about Internet searching; they explore new ideas and synthesise information about new ways of doing research. Combining words</p> <p>Evaluation: Students evaluate, summarise and explain new information. Quotation marks</p> <p>Application: Students apply the new techniques that have learnt.</p> <p>Analysis: To answer the given questions, students analyse information and compare the value of Internet research and research conducted in a library.</p>	<p>Keywords</p> <p>Singular</p> <p>Combining words</p> <p>Quotation marks</p>	<p>English (ACELY1703)</p> <p>ICT Capability LC: Investigating with ICT</p>

Information Literacy Activity

Complete the required steps for the activity here.

Activity Planning Sheet

Year 5	ICT Capability LC Elements
Subject: English/ICT/literacy	Investigating with ICT
Topic: Researching skills	
Activity: Students will use Google to conduct research for a persuasive writing report.	
Grouping:	
Assessment: Use of keywords; Singular/combining words; Use of quotation marks.	

Other Ideas for Activities

- Searching for specific types of information;
- WebQuests - see this site for online search activities www.webquest.org/index.php;
- Research-rich tasks that support class themes;
- Website critiquing - make a fun activity working out the quality of a site.

SUBJECT: ENGLISH

AUSTRALIAN CURRICULUM LINK

Language – Text structure and organisation

ACELA1797- Investigate how the organisation of texts into chapters, headings, subheadings, home pages and subpages for online texts and according to chronology or topic can be used to predict content and assist navigation.

Investigating with ICT

Locate, generate and access data and information

By the end of Year 4

By the end of Year 6

The student can demonstrate how to locate, generate and access information from a range of digital retrieve information from across the Web or from sources within a website.

Select and evaluate data and information

The student can demonstrate why they would trust the information from a particular website through its relevant and reliable sources of information by evaluation, assessing its trustworthiness.

Define and plan information searches

The student can demonstrate how to list the information required and then create methods to effectively search for them online, using concept maps to generate ideas.

PREVIOUS LESSON

LESSON OVERVIEW

In this lesson, students will use the search engine Google to gather information and compile a report on the topic. They will further develop their ICT capability by learning about effective practical and critical skills in searching online in the WWW. The lesson will begin as a whole class discussion to help the teacher identify what the students already know about online searching.

LEARNING NEEDS OF THE STUDENTS

The students will need to know about practical searching skills such as knowing how to read URLs, searching techniques that will help them limit the results via the use of quotation marks and of the 'site:' Additionally, there will be critical skills such as understanding domain names and what they mean; knowing which are trustworthy; and, critical literacy skills such as evaluating the quality of website and the information they present.

GROUPING OF STUDENTS

RESOURCES

The computer suite or use of classroom laptops.

THEORETICAL CONTEXT

Life in the knowledge society demands more independent and responsible behaviour. To prosper, people need to be able to make responsible decisions in new and unexpected situations. They need to continue to learn throughout life. These individuals require knowledge and skills to search for information, to analyse, synthesise, evaluate, channel, and present it to others, and to exercise judgement in order to predict, plan, and control fast changing events. These skills are indispensable to ICT-supported and non ICT learning environments (UNESCO, 2005).

YOUR OWN LEARNING NEEDS

ORGANISATIONAL MEMORY JOGGER

INFORMATION FOR TEACHER AIDES/ADULT HELPERS

Inform teacher aides or parent helpers of the following strategies:

- Listen to what students to say and encourage them to share their ideas;
 - Help the children to understand that it is acceptable to try out their ideas and make mistakes;
- Give the students time to work out their answers;
 - Take every opportunity to praise students' success when completing the activity or developing a computer skill.

LEARNING OBJECTIVES

By the end of the lesson, I will expect most of the students to achieve the following:

For ICT: To improve the information literacy skills of students.

For ENGLISH: To learn how to write persuasively

DIFFERENTIATION

LEARNING NEEDS – ENGLISH AS AN ADDITIONAL LANGUAGE

LEARNING NEEDS – SEN STUDENTS

ASSESSMENT OPPORTUNITIES

ICT Capability:

- Practical skills e.g. boolean operators & truncations;
 - Critical skills e.g. understanding URLs;
 - ICT terminology such as ‘webcrawling’ and ‘indexing’
- Advanced techniques (ICT techniques you have set as challenges to individual students or groups):

English:

KEY QUESTIONS

Questions will be asked when it comes time to intervene and they will be in the form of focusing questions to assist students in the formation of generalisations. Possible structured questions that focus on the process used:

- Is the information reliable>?
- Is the material at this site useful?
- How frequently is the information updated?
- Is the information factual or opinion?

English:

LESSON FORMAT

10 minutes: Opening with demonstration at the IWB. Invite some participation from the children. Ask questions. Check and re-check understanding of the task. Share the learning objectives with the children.

Complete the desired format below allowing time for whole class reflection on their ICT learning which may be conducted through discussion or as a reflective writing task.

TEACHER REFLECTION

Refer to the section on *Reflecting on ICT Teaching and Learning* for the appropriate questions to complete this section.



Student ICT Activity

Activity 11: Interpreting, analysing, evaluating - Collecting material from the

Internet Curriculum Link: (ACELY1703) Use comprehension strategies to analyse information, integrating and linking ideas from a variety of print and digital sources.

Lesson Description

Students will learn how to collect material from the Internet and use it on their own computer. They will learn that a web page is not a single item but a collection of different files or objects like a book. A typical web page may include pieces of text and pictures – including logos and navigation arrows or buttons. Each of these can behave independently.

Problem Statement

Write your own problem statement to present to students remembering to use key ICT terminology and features.

Collecting and Downloading

- Saving a webpage – when using Google Chrome, for example, click on the customise Google Chrome button (top right), click on 'More tools' and select 'Save Page As'. Then choose 'Webpage (complete);
- Saving text from a webpage – Click on 'More tools' and then 'Save Page As', but this time select "Webpage, HTML only";
- Printing a webpage – select Chrome customiser and the Print;
- Copying and pasting (words and images) into a word processor.

Achievement Standards (English)

List the achievements standards this activity is aligned with here:

Assessment

Higher Order Skills	ICT Techniques	Curriculum link
<p>Synthesis: Students identify what they already know about collecting and downloading information; they explore new ideas and synthesise information. Printing from a webpage</p> <p>Evaluation: Students evaluate, summarise and explain new information.</p> <p>Application: Students apply the new techniques that have learnt.</p>	<p>Saving a webpage</p> <p>Saving text from a webpage</p> <p>Copy and paste (words and images) to a word processor</p>	<p>ICT Capability LC: Investigating with ICT; Managing and operating ICT.</p>

Information Literacy Activity

Complete the required steps for the activity here.

Activity Planning Sheet

Complete the table below.

Year 5 Subject: English/ICT/literacy Topic: Collecting material from Internet	ICT Capability LC Elements
	Investigating with ICT
	Managing and operating with ICT
Activity:	
Grouping:	
Assessment: Saving a web page; Saving text from a web page; Printing a web page; Copy and pasting to a word processor.	

Lesson Plan

For this activity, you can use the template from the previous activity.