


**SCOPE & SEQUENCE**  
**GR. 8 - SCIENCE**

**Student Task**

**GRADE 8: Science**

**TOPIC 3: Consumer Product Testing**







**TASK: Slide Show**

**PRODUCTIVITY TOOL: Internet Research, Multimedia Presentation**



**TIMELINE: 8 Classes**

**LEVEL OF DIFFICULTY: Project**

Students will choose a product, test it, and evaluate it based on evidence. They will design and conduct a study of selected characteristics of a particular product, then create a multimedia presentation to share the results with their peers. The multimedia presentation must include the following:

-  title cell
-  video image/clip of product
-  table with results imported from a word processor or spreadsheet
-  summary information
-  recommendations
-  conclusions

Students will share the information with a partner and revise the presentation, based on feedback, before showing it to the rest of the class. At the conclusion of the project, students will discuss the following:

-  analyze the impact on society of having limitless access to information
-  cite sources when using copyright and/or public domain material


**ICT Outcomes**

**The learner will:**

- C1** 3.1 plan and conduct a search, using a wide variety of electronic sources
- 3.2 refine searches to limit sources to a manageable number
- 3.3 access and operate multimedia applications and technologies from stand-alone and online sources
- C3** 3.1 evaluate the authority and reliability of electronic sources
- 3.2 evaluate the relevance of electronically accessed information to a particular topic
- F1** 3.1 demonstrate an understanding that information can be transmitted through a variety of media
- 3.3 apply terminology appropriate to the technology being used at this division level
- F2** 3.7 analyze and assess the impact on society of having limitless access to information
- F3** 3.4 cite sources when using copyright and/or public domain material
- F4** 3.1 identify aspects of style in a presentation
- 3.2 understand the nature of various media and how they are consciously used to influence an audience
- 3.3 identify specific techniques used by the media to elicit particular responses from an audience
- 3.4 recognize that the ability of technology to manipulate images and sound can alter the meaning of a communication
- F6** 3.1 connect and use audio, video, and digital equipment
- 3.3 demonstrate proficiency in uploading and downloading text, image, audio and video files
- P1** 3.3 revise text documents based on feedback from others
- P3** 3.2 create multimedia presentations that incorporate meaningful graphics, audio, video, and text gathered from remote sources
- P6** 3.2 demonstrate proficiency in accessing local area network and Internet services, including uploading and downloading text, image, audio and video files





## Curriculum Outcomes

### **GRADE 8: Science**

#### **TOPIC 3: Consumer Product Testing**

#### **TASK: Slide Show**

#### *Specific Learner Expectations*


##### *Attitudes*

Students will be encouraged to develop:








2. confidence in personal ability to evaluate a product based on evidence and scientific principles

##### *Skills*

Students will demonstrate the following decision-making skills:

2. identifying alternatives in the design of consumer products
3. Researching
  -  designing experiments to test consumer products

##### *Concepts*

1. Consumer products each have a variety of characteristics that might be considered in evaluating the quality and effectiveness of the product.
  -  distinguish between product characteristics that are significant to the primary function of a product and those characteristics which are not
  -  recognize variations in product quality
2. Product testing provides profiles of significant characteristics that can assist those make decisions about the product.
  -  recognize the importance of unbiased testing and evaluation of results through the use of control samples and blind tests
  -  identify the kind of tests that might be carried out to evaluate a particular product claim
  -  design and carry out tests of selected characteristics of a particular product
  -  design and carrying out a controlled investigation in which two or more products are compared with respect to selected characteristics
  -  evaluate methods used to test products

