

Scheme of Work

	Lesson 1	Lesson 2	Lesson 3
Length	Approx. 1 hour	Approx. 1 hour	Approx. 1 hour
Objectives	To consider how science writing can help to explain complicated issues.	' '	To produce an engaging, well-structured piece of science writing which is suitable for a defined audience. To apply relevant approaches and principles to science writing.
	science writing and evaluate how science is communicated through the media.	researching a science story.	To evaluate the science writing of a peer, bearing in mind the relevant approaches and principles.

Lesson plans for each session can be found on the following pages.

Lesson 1 plan

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Starter activity	Learning objectives	
Students watch the video in Step 1.3 (Introducing	To consider how science writing	
science writing).	can help to explain complicated issues.	
In pairs, students discuss the following:	To identify various types and forms of science writing.	
Can you think of a topic you have seen in the news		
where you think science writing helped to explain a	 To examine sources of science 	
complicated issue to the general population?	writing and evaluate how science is	
	communicated through the media.	
Invite some pairs to share their examples.		
Main activities	Resources required	
In their pairs, students brainstorm as	 Devices for watching videos. 	
many types and sources of science writing they can	Materials for brainstorming types	
think of.	of science writing.	
	Devices or PDFs for completing	
Show the video in Step 1.5 and ask students to	the exercise, and the feedback.	
compare their ideas with those in the video. Did		
they miss any in their lists, and does anything		
surprise them from the video?		
	Assessment for Learning	
Give each pair the PDF exercise from Step 1.6 (A worthy read?) or allow them to access it on a device.	Discussion contributions, answers to the exercise.	
device.		
Each pair should work through the exercise, reading	Differentiation	
the articles and discussing their answers to the		
questions.	Low ability: Peer-learning.	
quounon	Gifted and Talented: Peer-teaching.	
Share answers as a class, then provide the written		
feedback for the exercise. Discuss responses to the	Plenary	
exercise and the feedback.	Ask students to discuss the following:	
	• Which sources of science writing	
	 Which sources of science writing do you trust and why? 	
	What makes a piece of science	
	writing reliable?	
	withing reliable!	
	Ask students to identify a topic for a piece of	
	their own science writing in the next lesson (this	
	could be homework).	
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Lesson 2 plan

Starter activity

Thinking of the topic they have chosen to base their own science writing on, ask students to individually write down:

- Who is the audience?
- Why is this topic interesting to them?
- How much (or little) are they likely to know about this already?
- What will be most interesting about this story to the audience?

Learning objectives

- To understand factors to consider when preparing to write a science story.
- To define an audience and an angle in science writing.
- To analyse relevant and useful information when researching a science story.

Lead a brief class discussion.

Main activities

Students will spend the rest of the lesson performing research and gathering information on their story.

First, ask students if they can define the difference between primary and secondary sources, and give examples of each. Elicit answers (information in Step 1.10 may be useful).

Advise students to consider using multiple sources and to use these questions to structure their research:

- What?
- Why?
- Where?
- Who?
- How?
- When?

Support students to perform research and suggest alternative sources and angles to their story. Invite students to support each other and share sources of information.

Resources required

- 1. Devices and materials for performing research (this could include science magazines, academic journals, etc. if available).
- 2. Devices and materials for collecting research.

Assessment for Learning

Contributions to discussions and individual research collected/monitoring of information gathering.

Differentiation

SEND: Teacher-led support.

Low ability: Peer-learning, teacher support.

Gifted and Talented: Peer-teaching.

Plenary

Ask students to share any interesting or surprising sources of information they discovered in their research.

Students can start to plan their piece of writing.

Lesson 3 plan

Starter activity	Learning objectives	
Students watch the video in Step 1.12 (Structuring a narrative). Share the 'inverted pyramid' approach and diagram with the class, and a short piece of science writing which illustrates this approach. Ask students to identify how this approach is applied in the writing.		
Main activities	Resources required	
Students will write (or continue to write) their science story in this lesson.	 Device to watch video. Inverted pyramid diagram. Pre-chosen science writing which 	
Before doing so, briefly review the list of 'Do's and Don'ts' in Step 1.14 as a class.	illustrates inverted pyramid. 4. Devices and materials for writing story.	
In addition, share a summary of the advice given in Step 1.13 to guide the student's writing,	Accomment for Learning	
including the importance of: • Using quotes	Assessment for Learning Individual science stories and peer assessments.	
 Using examples 	Differentiation	
 A solid conclusion The piece of writing can be brief (250-500 words) but students should remember to think of their audience, use their research and consider the 	SEND: Videos have subtitles, teacher-led support. Low ability: Peer-learning, teacher-led support. Gifted and Talented: Peer-teaching.	
writing tips provided.	Plenary	
Students can work and support each other in pairs or small groups.	Ask students to swap stories with a partner and provide feedback.	
	 How well did their partner apply the inverted pyramid approach, and the writing tips and advice? 	