

Overview

Learners will use the [Polynesian e-book](#) as a context for the suggested learning opportunities.

With a focus on Technologies learners will use electronic search engines to research Polynesian navigation and compare and contrast this with travel in Scotland. They will develop an awareness of how scientific and technological advancements have allowed navigation to change over time, for example, from [Polynesian Navigation](#) to [GPS](#) (Glow log in required). Learners will be encouraged to negotiate their own success criteria and use this to evaluate their final product.

These learning experiences offer opportunities for links with social studies, as learners will require an understanding of using primary and secondary sources to research navigation and travel in the past.

Technologies experiences and outcomes explored

I can investigate how an everyday product has changed over time to gain an awareness of the link between scientific and technological developments.

TCH 2-01b

Other curriculum areas explored:

I can use primary and secondary sources selectively to research events in the past.

SOC 2-01a

Responsibility of all:

When listening and talking with others for different purposes, I can:

- share information, experiences and opinions.
- explain processes and ideas.
- identify issues raised and summarise main points or findings.
- clarify points by asking questions or by asking others to say more.

LIT 2-09a

Themes across learning:

Global citizenship
Sustainable development



Overview of learning

Possible prior experiences

Watch the [Polynesia e-book](#).

Learners could:

- investigate the history of navigation and sailing in Polynesia, for example through a [WebQuest](#), using a search engine, comprehension task, etc.
- investigate how technological and scientific developments have led to improvements in navigation.
- make a timeline of how navigation has changed during a specific time period.
- be given the opportunity to complete a short research task on how GPS is currently used for navigation and how it may develop in the future.
- compare and contrast Polynesian navigation and travel to what it is like in Scotland.

Challenges

Learners will create a presentation on an aspect of Polynesian navigation.

Learners as a class should divide into groups and research a different aspect of traditional Polynesian navigation:

- Song
- Stars
- Weather
- Waves
- Clouds
- Contemporary navigation

Learners should make a presentation on their topic. This could be in the form of a PowerPoint, video, podcast, [Prezi](#), drama sketch, etc.

Success criteria should be negotiated for the presentation, for example:

- Length of presentation
- Visual aid required
- Awareness of audience
- Question and Answer session, etc

Learners could self or peer-assess against the Success Criteria.

Each group of learners could create a quiz about their presentation, which could be given to the other learners in the class after their presentation.

Each group should have the opportunity to share their experiences, for example what went well in their group, even better if.

Possible evidence

Observation notes

Pupil research notes

Timeline

Success criteria checklist

Planning sheets

Photographs of the process

Final product

Presentation

Video of presentation

Quiz

Peer-assessment sheets / discussion