

Issue Title: Gold
Date: 18 October

Teacher:

Level: All Levels

Achievement Objectives: Understand how exploration and innovation create opportunities and challenges for people, places and the environment. (SS L4)

Big Question:

- What effect did the gold mining have on the environment and the development of New Zealand's towns and communities?
- How did people adapt to the conditions?
- Are miners faced with the same challenges today? If not, do they face other challenges?

Learning Intentions (Students will):

- understand that with exploration and innovation come challenges
- critically reflect on the effects mining had on the environment
- understand the value (or not) of gold mining in NZ

Success Criteria (Students can):

- share ideas about the challenges miners faced
- present class display/powerpoint/ map, poster depicting history of gold mining
- Debate - clearly state views for and against
- reflect on effects on the environment.

Key competencies (highlight):

Thinking, Relating to Others, Understanding Language, Symbols and Text, Managing Self, Participating and contributing

Vocabulary: tributary, nugget, alluvial, sluice, sanitation, isolated, provincial, migrants, prosperous, merchants, dredging, opencast, ,

Tuning in: (How to connect with students' current thinking, prior knowledge, misconceptions, interests and wonderings)-

Class discussion – YouTube - Gold of Otago EP8 -Offshoot Fields

EP12 - The Chinese gold seekers of Otago

Group Activity:

- create 3D map of gold digging locations in Otago. Think of innovative ways to show mining areas.

Other activities/group research:

- write and present play to illustrate difficulties miners had (living conditions, mining practices)
- write a poem from the view of a gold digger
- make poster depicting gold mining process and different methods of mining.
- Write a persuasive letter to a friend, encouraging them to come gold mining. Would you write about the challenges or the opportunities?
- Design a poster to encourage people to go gold mining.
- Debate: Gold mining in the 19th century was worth the effort.
- Compare challenges miners faced during the gold rush and challenges faced by gold miners today.

Making conclusions:

Have you come to a conclusion as to whether mining had a positive or negative effect on the development of New Zealand?

Do you have an understanding of the challenges faced by the mining community? Are these challenges still faced by miners today?

Assessment

Formative

- **Engagement with topic**
- **Collaboration**
- **Questions to investigate**

Summative:

- posters
- letter
- poem
- play
- debate

Materials/Resources:

www.in2edu.com

environmental impacts of gold mining <https://earthworks.org>

Mining in NZ en.m.wikipedia.org

Balancing the ethics of Mining New Zealand <https://www.mining-technology.com>