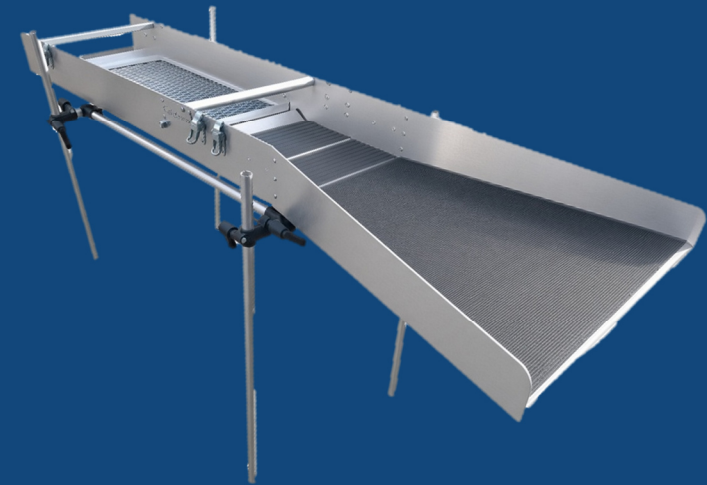


Practical Curriculum • Exploration • Extraction • Processing

GOLD MINING



A complete, hands-on training programme for gold recovery in artisanal and small-scale mining.

Real equipment, real rivers, mercury-free processing.



THE PROGRAMME

From river gravel to gold button, step by step.



Gold Mining is a hands-on, full-time programme for gold recovery in artisanal and small-scale mining.

Across twenty-one modules, trainees progress step by step, from safety, geology and prospecting through extraction and processing to quality, environment and marketing.

The focus is on practice throughout. Work takes place on real equipment in the field and at the river, with around 300 hours of practical work and about 130 assessed exercises. Gold recovery is deliberately mercury-free.

21

MODULES · M01-M21

500_h

PRACTICAL AND FIELD HOURS

130+

PRACTICAL EXERCISES

120+

EQUIPMENT ITEMS (GUIDE VALUE)

1_{years}

FULL-TIME · 4 PHASES

PRACTICAL CURRICULUM

Twenty-one modules.

From safety and geology through prospecting and extraction to mercury-free processing, quality and marketing, concluding with a training mine operation as the final project.

MODULE

M01 – M21 · SEQUENTIAL

M01 Occupational safety & emergency response
FUNDAMENTALS

M02 Workshop & building simple equipment
FUNDAMENTALS

M03 Primary gold deposits
FUNDAMENTALS

M04 Alluvial deposits & placers
FUNDAMENTALS

M05 Maps, GPS & field survey
FUNDAMENTALS

M06 Systematic prospecting & sampling
PROSPECTING & OPERATIONS

M07 Deposit evaluation & reporting
PROSPECTING & OPERATIONS

M08 Mining law & operational planning
PROSPECTING & OPERATIONS

M09 Pumps & engine drives
PROSPECTING & OPERATIONS

M10 Energy & water management
PROSPECTING & OPERATIONS

M11 Mining alluvial deposits
EXTRACTION

M12 Classification & screening
EXTRACTION

M13 Gravity separation I: sluice
EXTRACTION

M14 Hard-rock mining & pit safety
EXTRACTION

M15 Crushing, grinding & liberation
EXTRACTION

M16 Fine processing: concentrator & shaking table
PROCESSING & MARKET

M17 Mercury-free gold recovery
PROCESSING & MARKET

M18 Gold assaying & metal balance
PROCESSING & MARKET

M19 Environmental management & rehabilitation
PROCESSING & MARKET

M20 Business management & marketing
PROCESSING & MARKET

M21 Final project: training mine operation
PROCESSING & MARKET

EQUIPMENT

Trained on real equipment.



01

Prospecting & analysis

Gold pan, classifier, metal detector, GPS, loupes, microscope and scales.

02

Extraction & haulage

Engine and slurry pumps, Hookah compressor, hoses, nozzles and hand tools.

03

Processing & separation

Sluice, highbanker, centrifugal concentrator, shaking table, screen sets and crushers.

04

Gold & laboratory

Crucibles, borax, precision balance, streak test and assay equipment.

05

Energy & camp

Generator, solar panel, power station, tent, tool case and spare parts.

06

Safety & environment

PPE, life vest, water filter, first aid, satellite phone and settling ponds.

AROUND 120+ ITEMS (GUIDE VALUE) · 6 CATEGORIES

LET'S GET STARTED.

AVAILABLE AS • Turnkey (consulting + equipment + delivery + curriculum + on-site setup)