FieldWise
CHEMISTRY

STUDENT & TEACHER USER GUIDE

How to use FieldWise Chemistry

Water, soil and environmental chemistry — sample, test and record results with lab-style tools.

For secondary students & their teachers
Chemistry — environmental sampling and analysis.

Parrotrees Industries · Melbourne
iPad & iPhone · works offline

ORIENTATION

What the app does & how it fits your class

FieldWise Chemistry supports environmental and practical chemistry. Run practicals, sample and test water and soil, and use built-in calculators — recording structured results, offline and shared back to your class.

The app's main areas

Area	What it's for
Assignments	Your home — tasks set by your teacher.
Practicals	Structured practical investigations.
Environmental	Environmental chemistry sampling and testing.
Acids & Bases	Record acid–base work.
Rates	Reaction-rate investigations.
Calculators	Chemistry calculators for your results.
Titration	Record and work through titration runs.
Calibration	Calibrate and record instrument readings.

Note. FieldWise is **privacy-first**: students are identified by first name and a class code only. You capture work on your device — it saves offline in the field — and it syncs to your class in **FieldWise Core** (your teacher's hub) when you're back online.

What's in this guide

- **For students** — getting started, the tools, recording your work, and building your evidence and report.
- **For teachers** — FieldWise Core: classes, class codes, assignments, review and reporting.
- **Reference** — a recommended workflow, troubleshooting and a glossary.

FOR STUDENTS · 1

Getting started

Joining your class

1. Open FieldWise Chemistry on your iPad or iPhone.
2. Enter the **class code** your teacher gives you, and your **first name** — that's all the app needs.
3. Your teacher's **assignments** appear in the app, ready to work on.

> **Note.** Minimal data by design — no full names, no emails. Your teacher sets up the class in FieldWise Core (see the teacher section).

Working offline

You can use the app with no internet — record everything in the field, and it saves on your device. When you're back on wi-fi, your work syncs to your class automatically.

Finding your way around

The main areas sit on the tab bar:

Assignments **Practicals** **Environmental** **Acids & Bases** **Rates** **Calculators** **Titration** **Calibration**

> **Tip.** Read the assignment first, then open the tool it asks for — the app is organised so each task has a place to record it.

FOR STUDENTS · 2

The chemistry tools

Chemistry is organised around practicals and specialist recording tools:

Tool / area	What you do with it
Practicals	Structured practical tasks set by your teacher.
Environmental sampling	Water and soil sampling and testing (pH, turbidity and more).
Acids & bases	Record acid–base investigations.
Rates of reaction	Record and compare reaction rates.
Titration	Work through and record titration runs.
Calculators & calibration	Built-in calculators and instrument calibration records.

Tip. Record your calibration before a set of readings — it's what makes your measurements trustworthy.

FOR STUDENTS · 3

Recording your work & building evidence

Capturing observations

Record each practical with its method, measurements and results, using the calculators and titration tools to work through the chemistry.

- Add **photos** as evidence, with the details that matter for your subject.
- Your records are grouped so a piece of work reads as a clear, complete set.
- Everything is tied to your class assignment, so your teacher can see it in context.

Your Evidence & portfolio

Your practicals and results collect for review, reporting and assessment.

Reporting & submitting

When you've finished, write up your findings and **submit** your work to your teacher through your class. You can also export a PDF of your report or field record to keep.

> **Tip.** Record as you go and add a photo at each step — it's far easier than trying to remember the detail back in class, and it makes your final report much stronger.

FOR STUDENTS · 4

A worked example — a field task start to finish

Here's how a typical Chemistry task flows in the app, so you know what to expect:

Stage	What you do
Get the task	Open the app; your teacher's assignment is waiting on your home tab.
Prepare	Read what's being asked and open the tool it needs — for example **Practicals**.
Record on site	Capture your observations and measurements, adding a photo to each — even with no internet.
Check as you go	Make sure each part of the task has a record before you leave the site.
Write up	Turn your records into a short write-up or report in the app.
Submit	Send your finished work to your class; it uploads when you're back online.

Note. Nothing is lost if you're offline — the whole example above works with no signal, and your work syncs to your class the next time you're on wi-fi.

Tip. If a task has several parts, do them in order and tick each off — a complete set of records makes your write-up quick and your evidence strong.

CURRICULUM & SKILLS

What this app helps you learn

FieldWise Chemistry is built for **Chemistry — environmental sampling and analysis.** Curriculum-aligned fieldwork, and it develops the skills that matter in the subject:

- **Working in the field** — planning, observing, measuring and recording accurately on site.
- **Structured evidence** — collecting complete, comparable records rather than scattered notes.
- **Analysis & interpretation** — turning what you gathered into findings and an argument.
- **Communicating results** — writing up and presenting your work as a report or portfolio.

Assessment

Because your work builds into structured records and a evidence & portfolio, it's ready for your teacher to assess — and you keep an exportable copy of what you produced.

> **Note.** Your teacher sets the specific tasks and how they map to your course through FieldWise Core; the app gives you the tools and the place to record.

> **Tip.** Treat every field record as part of your assessment evidence — the neater and more complete it is on the day, the stronger your final mark-worthy write-up.

FOR STUDENTS

Offline, privacy & your work

Working offline

Field sites often have no signal — that's expected. Everything you record saves on your device and **syncs to your class automatically** when you're next on wi-fi. You never have to be online to do fieldwork.

Your privacy

- You join with a **first name and class code** only — no full name, no email.
- Only your teacher's class sees your submitted work.
- The app collects the minimum it needs for the task, by design.

Keeping your work safe

- Sync when you get back to wi-fi so your work reaches your class and isn't only on one device.
- Export a PDF of a finished report or record if you want your own copy.

> **Note.** If you change or reset your device before syncing, unsynced work may be lost — get back online and sync after a field day.

FOR TEACHERS

FieldWise Core — your class hub

FieldWise Chemistry connects to **FieldWise Core**, the teacher hub shared across the FieldWise Education apps. Core is where you set up classes and see your students' work come back.

Setting up

1. Create a **class** in FieldWise Core and share its **class code** with students.
2. Set **assignments** — the tasks that appear in each student's app.
3. As students work, their submissions sync back to the class for you to review.

Review & reporting

- Review student submissions and give feedback.
- Track progress across the class with dashboards and reporting.
- Students' work builds into portfolios you can assess and export.

Note. Privacy-first by design: students join with a first name and class code only, so you're not collecting more student data than a fieldwork task needs.

Tip. Set one small assignment first and have students join with the class code in class — once they've done the join-and-submit loop once, a real field day runs smoothly.

BEST PRACTICE

A recommended way to run a field task

A dependable order for students and teachers:

Step	What happens
1 · Teacher sets up	Create the class, share the code, set the assignment in FieldWise Core.
2 · Students join	Enter the class code and first name; the assignment appears.
3 · Plan / prepare	Read the task and get the right tool ready before heading out.
4 · Record in the field	Use the subject tools to capture observations and photos — offline is fine.
5 · Build evidence	Collect records into your evidence & portfolio as you go.
6 · Write up	Turn observations into a report or write-up.
7 · Submit & sync	Send work to your class; it syncs when back online.
8 · Review	The teacher reviews, gives feedback and assesses.

Tip. The two habits that matter most: **record on site, not from memory**, and **add a photo to each observation** — together they make a student's report accurate and complete.

REFERENCE

Troubleshooting & glossary

Quick troubleshooting

If…	Then…
You can't join a class	Check the class code with your teacher, and that you've typed it exactly.
Your work isn't showing for the teacher	It syncs when you're back online — reconnect to wi-fi and it will upload.
The app has no internet in the field	That's fine — keep recording; everything saves on the device and syncs later.
You can't find an assignment	Assignments come from your teacher in FieldWise Core; ask them to set or re-share it.

Glossary

Term	Meaning
Class code	The code your teacher shares so you can join the class.
FieldWise Core	The teacher hub for classes, assignments, review and reporting.
Evidence & portfolio	Your collected practicals and results across the subject.
Field record	A structured record of what you observed and measured on site.
Submit	Send your finished work to your class for your teacher to review.

Fieldwork that works in the field

FieldWise Chemistry is part of the FieldWise Education suite — one platform, every subject. Works offline, privacy-first, and connected to your class through FieldWise Core. fieldwiseeducation.com.au