

UAS Drone Mapping Cert 2D-3D App

Train-the-Trainer Workshop Manual

Official 8-Hour Facilitator Guide | 8:00 AM-5:00 PM

Advanced Drone Pilot Course

Workshop Purpose

Prepare teachers to teach the course by briefly orienting them to the curriculum materials and then walking them through the three application workflows: DroneDeploy mission planning, flight preparation, upload, and returned results; ArcGIS Drone2Map processing through ArcGIS Online web app creation; and Skyebrowse setup/model creation using already captured data, ending with a Skyebrowse 360 Indoor demonstration using DJI Avata 2.

Workshop Item	Plan
Date/Time	8:00 AM-5:00 PM, with one hour for lunch
Audience	Teachers preparing to deliver the UAS Drone Mapping Cert 2D-3D App course
Required focus	Hands-on teacher walkthroughs of the three application workflows, supported by the current manuals
Application manuals	DroneDeploy, ArcGIS Drone2Map, and SkyeBrowse manuals are used as the primary projected teaching tools during the application training blocks.
Final demonstration	Skyebrowse 360 Indoor / Interior Mapping demonstration with DJI Avata 2
Projection setup	Project the active application manual and live app side-by-side when possible; otherwise switch between them. Keep the slide deck for agenda, transition, and certification reminders.

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8:00-8:30 | Workshop Outcomes

By the end of the train-the-trainer workshop, participating teachers should be able to:

- Locate the current course documents, PDFs, installation manuals, scenario images, and existing tests or assessments.
- Use the locked DP03 curriculum package to find lesson plans, PowerPoints, teacher handbooks, student handouts, and assessment materials.
- Use the DroneDeploy manual to demonstrate mission planning, flight preparation, upload, processing status, and review of already returned results.
- Use the Drone2Map manual to demonstrate processing through ArcGIS Online upload/sharing and web app creation.
- Use the Skyebrowse manual to demonstrate setup for Skyebrowse and WideBrowse/Widebrowse mobile app use, then create a model from already captured data.
- Use each manual as a teacher delivery guide instead of reading it as a purely technical software manual.
- Prepare accounts, sample data, classroom technology, and access permissions before teaching.
- Guide students through the core mapping workflow: capture or sample data, upload/import, process, analyze, measure, report, and share.
- Connect application practice to the existing tests, assessment deliverables, and teacher verification checks already available to the course.
- Conduct a safe short demonstration of Skyebrowse 360 Indoor / Interior Mapping using a DJI Avata 2.

8:30-9:00 | Source Documents Teachers Will Use

Important

Teachers already have access to the course tests and assessment materials. This workshop manual references those existing tests instead of recreating them. During the workshop, show teachers where the tests are accessed in the course system used by your program.

Document or Resource	Where to Find It	How Teachers Should Use It
DP03 locked curriculum package	Curriculum Package\DP03_Mapping_LOCKED_202 6-06-22	Main course package for the train-the-trainer orientation. It contains the locked course guide, lesson plans, PowerPoints, teacher handbooks, student handouts, and assessments.
Teacher launchpad	Curriculum Package\DP03_Mapping_LOCKED_202 6-06-22\OPEN_THIS_TEACHER_LAUNCHPAD .pdf	Open first when orienting teachers to the course package.
Course map and file index	Curriculum Package\DP03_Mapping_LOCKED_202 6-06-22\00_Start_Here	Use to show teachers what is included and where each course resource is located.
Lesson plans and PowerPoints	Curriculum Package\DP03_Mapping_LOCKED_202 6-06-22\02_Lesson_Plans and Curriculum Package\DP03_Mapping_LOCKED_202 6-06-22\03_PowerPoint_Slides	Use for daily classroom delivery and pacing.
Assessments and rubrics	Curriculum Package\DP03_Mapping_LOCKED_202	Use the item bank and related assessment materials with the program testing/LMS

	6-06-22\07_Assessments_and_Rubrics	process.
DroneDeploy Training Manual	Teacher Resources\DroneDeploy Training Manual 06-25-2026 .docx	Primary teacher guide for DroneDeploy mission planning, upload, processing, analysis, reporting, and student practice.
DroneDeploy PDF	Teacher Resources\DroneDeploy Training Manual 06-25-2026 .pdf	Use for classroom display, quick review, or distribution when Word editing is not needed.
ArcGIS Drone2Map Training Manual	Teacher Resources\ArcGIS Drone2Map Training Manual 07-06-2026 .docx	Primary teacher guide for Drone2Map desktop processing, Rapid/2D/3D workflows, control points, ArcGIS Online sharing, and app creation.
Drone2Map Installation Manual	Teacher Resources\ArcGIS Drone2Map Installation Manual 06-26-2026.docx	Use before class to confirm installation, licensing, and account readiness.
Skyebrowse Training Manual	Teacher Resources\SkyeBrowse Training Manual 06-25-2026.docx	Primary teacher guide for Skyebrowse capture choices, Universal Upload, 360/interior capture, model review, 3D tools, and sharing.
Scenario and example images	Images	Use for discussion, guided scenarios, or classroom examples when live flight or upload is not practical.
Existing tests and assessments	Program testing/LMS access already provided to teachers	Use the existing tests after instruction; do not replace them with this workshop manual.

8:00-5:00 | 8-Hour Workshop Agenda

Time	Session	Trainer Focus	Teacher Output
8:00-8:30	Welcome, course purpose, and teacher outcomes	Explain the course goal and how the 2D/3D mapping apps support student learning.	Teachers can describe the course purpose and expected student workflow.
8:30-9:00	Materials location, access, and assessments	Quickly show folder structure, manuals, PDFs, installation documents, sample/scenario images, and existing test access.	Teachers can locate the resources and assessments without taking time away from application practice.
9:00-10:30	DroneDeploy manual-guided training block	Project the DroneDeploy Training Manual as the teaching visual while walking through mission planning, flight preparation, upload, and returned results.	Teachers can teach the DroneDeploy workflow from planning through results review.
10:30-10:45	Break	Keep break on time.	Participants return ready for Drone2Map.
10:45-12:00	Drone2Map manual-guided training block, Part 1	Project the Drone2Map Training Manual as the teaching visual while starting a project, selecting workflow/template, configuring processing, and reviewing products.	Teachers can lead the first part of the Drone2Map classroom workflow.
12:00-1:00	Lunch	No instruction.	Participants return ready for Skyebrowse.
1:00-2:00	Drone2Map manual-guided training block, Part 2	Continue teaching from the Drone2Map Training Manual through ArcGIS Online sharing, Map Viewer review, and web app creation.	Teachers can teach Drone2Map through ArcGIS Online publishing and web app creation.
2:00-3:15	Skyebrowse manual-guided training block	Project the SkyeBrowse Training Manual as the teaching visual while demonstrating setup expectations, upload/model creation, model tools, and sharing.	Teachers can teach model creation from captured data and prepare students for mobile capture.
3:15-3:30	Break	Prepare for indoor demo and assessment.	Participants return ready for the final demonstration.
3:30-4:15	Skyebrowse 360 Indoor demonstration with DJI Avata 2	Demonstrate safe indoor capture planning and how the Avata 2 capture fits into Skyebrowse interior/360 workflows.	Teachers can explain and supervise a safe demo workflow.
4:15-4:40	Student practice, assessment, and readiness	Connect the workflows to existing tests, student deliverables, group management, and teacher readiness checks.	Teachers know how student work will be checked and assessed.
4:40-4:55	End-of-day teacher	Administer the 10-question assessment.	Teachers complete the

	assessment		workshop assessment.
4:55-5:00	Questions and next steps	Address final implementation issues.	Teachers leave with concrete preparation tasks.

8:00-5:00 | Facilitator Run-of-Show

8:00-8:30 | Welcome and Course Purpose

Use this opening block to establish that this is a teacher-delivery course. The goal is not to turn teachers into software vendors or surveyors. The goal is to prepare them to teach students how drone imagery becomes 2D maps, 3D models, measurements, reports, and shared deliverables.

- State the student workflow: plan or capture imagery, upload/import, process, analyze, measure, report, and share.
- Explain that each application teaches the workflow from a different angle.
- Tell teachers that the application manuals are the source documents for class delivery.

8:30-9:00 | Materials, Access, and Existing Tests

Open the course folder and show the current files quickly. This section is intentionally short so the workshop can spend most of the day inside the three applications, but teachers must still know where the locked curriculum package is and how to use it.

- [] Open Curriculum Package\DP03_Mapping_LOCKED_2026-06-22 and the OPEN_THIS_TEACHER_LAUNCHPAD.pdf.
- [] Show 00_Start_Here for the course map, file index, read-me, manifest, and launchpad metadata.
- [] Show 01_Locked_Curriculum_Guide as the official curriculum guide for the course.
- [] Show 02_Lesson_Plans and 03_PowerPoint_Slides so teachers understand that each day has a lesson plan and slide deck.
- [] Show 04_Teacher_Resources for the daily teaching handbooks.
- [] Show 05_Student_Handout_References and 06_Printable_Student_Handouts for student-facing materials.
- [] Show 07_Assessments_and_Rubrics, including the C3 item bank, and explain how it connects to the existing tests.
- [] Show the separate Teacher Resources folder for the current DroneDeploy, Drone2Map, and Skyebrowse application manuals.
- [] Explain that the curriculum package provides the course delivery structure, while the application manuals provide the detailed software workflows.

8:30-9:00 | DP03 Curriculum Package Map

Folder or File	What It Contains	How Teachers Use It
OPEN_THIS_TEACHER_LAUNCHPAD.pdf	Primary starting file for the locked course package.	Open first during teacher orientation; use it to understand package navigation.
00_Start_Here	Course map, file index, read-me, manifest, and metadata.	Use to understand what is included and where files are located.
01_Locked_Curriculum_Guide	Official locked curriculum guide in DOCX/PDF.	Use as the course scope and sequence reference.
02_Lesson_Plans	Daily lesson plans for Week 1 and Week 2 in DOCX/PDF.	Use to teach each day in order and align activities to the course plan.
03_PowerPoint_Slides	Daily PowerPoint decks and PDFs.	Use for classroom presentation and pacing.
04_Teacher_Resources	Daily teaching handbooks in DOCX/PDF.	Use as the teacher-facing support document for each lesson.

05_Student_Handout_References	Student reference handouts in DOCX/PDF.	Use as student reference support during instruction.
06_Printable_Student_Handouts	Printable student handouts in DOCX/PDF.	Print or distribute for student activities.
07_Assessments_and_Rubrics	C3 item bank in CSV/DOCX/PDF.	Use with the program's testing/LMS process and course assessment plan.
99_Source_Documents_Editable	Editable source versions of curriculum files.	Use only when authorized to revise source materials; teach from the locked package.

9:00-10:30 | DroneDeploy Manual-Guided Training Block

Manual-guided application blocks: During the DroneDeploy, Drone2Map, and SkyeBrowse blocks, the current training manual is the primary projected teaching tool. Use the PowerPoint only to introduce the section, manage pacing, and transition to certification or assessment items. If a split-screen projected view is available, place the manual beside the live app; otherwise switch between the manual and the app at each major step.

Use the current DroneDeploy Training Manual as the primary source while walking teachers through a realistic example. The trainer may use a completed DroneDeploy example for returned processing results instead of waiting for live processing.

Manual Area	What It Includes	How to Use It During Training
Training Outcomes / Teaching Flow	Teacher-facing overview and suggested delivery sequence.	Use to explain what students should be able to do by the end of the DroneDeploy unit.
Part 1-2	Mapping workflow position and teacher preparation.	Use before class to verify accounts, access, data, and classroom readiness.
Part 3	Instructor-led DroneDeploy procedure.	Use as the projected workflow during live instruction.
Phase sections	Account access, mission planning, advanced flight settings, simulated flight, mobile launch, upload, returned results, review, analysis, export, reports, and sharing.	Use these phases as the live trainer walkthrough sequence.
Student Practice and Assessment	Practice sequence, map/model review checklist, and deliverables.	Connect these deliverables to the existing tests and assessment plan already available to teachers.
Appendices	Workflow selection, settings, supported drones, accounts/licenses, export/report tools, LAANC, student setup, and reporting tools.	Use as reference before class or when students need deeper explanation.

9:00-10:30 | DroneDeploy Manual-Guided Teaching Sequence

Step	Trainer Action	Teacher Takeaway
1	Open the DroneDeploy Training Manual and show the recommended teaching flow.	Teachers know where the workflow begins in the manual.
2	Open DroneDeploy and show account/project dashboard access.	Teachers understand required login and project organization.
3	Create or open an example mission plan and explain mission area, altitude, overlap, camera angle, and safety/airspace preparation.	Teachers can explain mission planning decisions before flight.
4	Review flight preparation: drone readiness, batteries, SD card/storage, firmware/app readiness, weather, site safety, and role assignments.	Teachers can prepare students for a safe mapping mission.
5	Show how imagery is uploaded to DroneDeploy after capture or from a prepared dataset.	Teachers can demonstrate upload without relying on a live flight.
6	Explain processing status, expected delay, and why the workshop will use an already returned result.	Teachers can manage classroom time when processing takes longer than class allows.
7	Open returned results and review map/model quality, coverage, gaps, blur, alignment, and processing issues.	Teachers can coach students through results review.
8	Demonstrate basic tools: measurements, annotations, reports/exports, and sharing, using the manual appendices as references.	Teachers can connect student deliverables to assessment evidence.

10:45-12:00 and 1:00-2:00 | ArcGIS Drone2Map Manual-Guided Training Block

Use the current July 6 ArcGIS Drone2Map Training Manual as the primary source. The walkthrough should continue through ArcGIS Online upload/sharing and creation of a web app, not stop at local processing.

Manual Area	What It Includes	How to Use It During Training
Training Outcomes / Recommended Teaching Flow	Teacher-facing outcomes and delivery order.	Use to frame Drone2Map as the desktop/GIS-connected workflow.
Part 1-2	Workflow position, preparation, and teacher verification.	Use before class to verify installation, licensing, ArcGIS Online access, and sample data.
Part 3	Instructor-led Drone2Map procedure.	Use as the live classroom procedure for starting projects and processing imagery.
Rapid / 2D / 3D workflow sections	Template selection, project creation, processing options, and output review.	Use to demonstrate how processing choices affect time and deliverables.
Control Points and Accuracy	Accuracy concepts and control point workflow.	Use after students understand basic processing results.
ArcGIS Online and App Creation	Sharing outputs, Map Viewer, measurement tools, and web app creation.	Use to show how Drone2Map connects to GIS products students can share.
Appendices	Current Esri updates, products, control points, sharing, web apps, and source list.	Use as teacher preparation and current-reference material.

10:45-12:00 and 1:00-2:00 | Drone2Map Manual-Guided Teaching Sequence

Step	Trainer Action	Teacher Takeaway
1	Use the installation manual to remind teachers what must be verified before class: install, license, ArcGIS Online login, storage, sample data, and internet.	Teachers know why preparation must happen before students arrive.
2	Open Drone2Map and start from the training manual's project workflow.	Teachers know where to begin instruction.
3	Create or open a project using the sample data and select the appropriate template or workflow.	Teachers can explain template choice.

4	Configure processing options, then explain processing time and when to use pre-processed results.	Teachers can manage classroom time and expectations.
5	Review outputs: orthomosaic, surface/elevation products, 3D products when used, and processing reports.	Teachers can guide students in checking product quality.
6	Show control points only after basic processing is understood.	Teachers can introduce accuracy as an advanced concept.
7	Upload/share Drone2Map outputs to ArcGIS Online using the manual procedure.	Teachers can connect desktop processing to online GIS deliverables.
8	Open the shared output in ArcGIS Online Map Viewer and demonstrate basic map review/measurement.	Teachers can show students how the processed map is used online.
9	Create a web app or Instant App from the shared map.	Teachers can complete the workflow through a shareable student product.

2:00-3:15 | Skyebrowse Manual-Guided Training Block

Use the current Skyebrowse Training Manual as the primary source. The workshop should create a Skyebrowse model using already captured data, while also showing teachers how to prepare students for Skyebrowse and WideBrowse/Widebrowse mobile app use.

Manual Area	What It Includes	How to Use It During Training
Training Outcomes / Workflow Position	Where Skyebrowse fits after capture and how it differs from the other apps.	Use to explain fast model generation and quick visual inspection.
Account, Equipment, and Safety Setup	Account access, equipment, and safety notes.	Use before any live or simulated capture.
Workflow Selection Guide	Automated app capture, Universal Upload, Interior Mapping, Skyebrowse Rapid, and manual capture choices.	Use to help teachers choose the correct workflow for available equipment and data.
Universal Upload Manual Capture	Manual image/video upload procedure.	Use when teachers are using non-supported drones or sample data.
Interior and 360 Capture	Interior/360 capture guidance.	Use as the basis for the DJI Avata 2 demo discussion.
3D Viewer Tools Training	Navigation, quality review, measurement, scale, volume, annotations, clip, overlays, sketching, screenshots, and sharing.	Use to teach analysis after the model is complete.
Appendices	Supported drones, account/license reference, and source list.	Use before class and when explaining student limitations.

2:00-3:15 | Skyebrowse Manual-Guided Teaching Sequence

Step	Trainer Action	Teacher Takeaway
1	Open the Skyebrowse manual and review account, equipment, supported workflow, and safety setup.	Teachers know what must be checked before student capture.
2	Show Skyebrowse and WideBrowse/Widebrowse mobile app setup expectations: login, permissions, camera access, storage, network, and project naming.	Teachers can prepare students for app-based capture.
3	Explain workflow choice: app upload, Universal Upload, Interior Mapping, and Skyebrowse Rapid.	Teachers can choose the correct workflow for the drone/data available.
4	Use already captured data and demonstrate upload/model creation.	Teachers can teach the workflow without depending on live capture.
5	Explain how capture quality affects the final model: overlap, lighting, speed, blur, path, and featureless surfaces.	Teachers can coach better student captures.
6	Open the completed model and review navigation,	Teachers can connect model tools to

	quality checklist, measurements, scale, volume, annotations, clipping, screenshots, and sharing as available.	student deliverables.
7	Show where supported drones and account/license limitations are listed in the appendices.	Teachers know where to answer setup and access questions.

4:15-4:40 | Student Practice and Existing Assessment Connection

The workshop should make clear that teachers do not need to invent new tests. They should use the existing course tests and the deliverables already identified in the manuals.

Evidence Type	Where It Comes From	How It Connects to Existing Tests
Map/model screenshot	Application manual student practice sections.	Use as performance evidence alongside the existing test.
Workflow explanation	Teacher prompts during each application workflow.	Use to confirm students understand the process, not just button-clicking.
Measurement or annotation	DroneDeploy, Drone2Map Map Viewer, or Skyebrowse tools sections.	Use as a practical demonstration of analysis skills.
Processing/report output	DroneDeploy reporting, Drone2Map processing reports, or Skyebrowse model outputs.	Use as evidence that students completed the processing workflow.
Quality reflection	Model review/checklist sections.	Use to assess whether students can identify overlap, blur, coverage, accuracy, or missing data issues.
Existing course test	Program testing/LMS access already available to teachers.	Use after instruction to document knowledge mastery.

3:30-4:15 | Skyebrowse 360 Indoor Demonstration with DJI Avata 2

Safety First

This block is a controlled trainer demonstration, not an open student flight lab. Use the DJI Avata 2 only in a safe indoor space, with a clear boundary, no spectators in the flight path, appropriate lighting, and a pilot who is comfortable controlling the aircraft indoors.

Demo Step	Trainer Action	Teaching Point
1. Brief the room	Explain the demo goal, safety boundary, and why indoor capture is different from outdoor mapping.	Teachers learn that safety and planning come before software.
2. Show the aircraft	Identify DJI Avata 2, controller, camera viewpoint, battery limits, and prop/guard considerations.	Teachers understand the equipment being demonstrated.
3. Explain capture quality	Discuss slow movement, stable path, good lighting, minimizing blur, and avoiding reflective or featureless surfaces.	Teachers connect capture behavior to model quality.
4. Fly or simulate the path	Move slowly through the planned area or use a brief pre-captured clip if live flight is not appropriate.	Teachers see the capture pattern without turning the block into a flight class.
5. Connect to Skyebrowse	Show where Interior and 360 Capture, Universal Upload, or related Skyebrowse workflow appears in the manual.	Teachers understand where the demo fits in instruction.
6. Debrief	Ask what would make the model fail or improve.	Teachers practice coaching students on quality, not just software upload.

4:15-4:40 | Teacher Readiness Checklist

Use this checklist before teachers leave the workshop.

- ☐ I can locate the Teacher Resources folder and current application manuals.
- ☐ I can explain what is included in the DroneDeploy manual and how students will be assessed.
- ☐ I can explain what is included in the Drone2Map manual and when the installation manual is needed.
- ☐ I can explain what is included in the Skyebrowse manual and where the 360/interior capture guidance is located.
- ☐ I know where the existing tests or assessments are accessed for the course.
- ☐ I can identify which items must be checked before class: accounts, licenses, internet, sample data, storage, devices, and permissions.
- ☐ I can explain how to use sample imagery if weather, equipment, or account access prevents a live workflow.
- ☐ I can safely frame the Skyebrowse 360 Indoor / DJI Avata 2 demonstration as a controlled instructor demo.

4:40-4:55 | End-of-Day Teacher Assessment

Assessment Use

Use this 10-question assessment at the end of the workshop. Recommended passing score: 8 out of 10. Teachers may reference the workshop manual and the current application manuals, because the goal is to confirm they can locate and use the correct resources before teaching.

Question	Answer Choices	Answer
1. Which resource is the main locked course package containing the curriculum guide, lesson plans, PowerPoints, handouts, and assessment materials?	A. DP03_Mapping_LOCKED_2026-06-22 B. A drone manufacturer website C. Only the Skyebrowse app D. The teacher answer key	
2. What should the facilitator open first when orienting teachers to the locked course package?	A. OPEN_THIS_TEACHER_LAUNCHPAD.pdf B. A blank Word document C. Drone firmware release notes D. The final certificate template	
3. Where should teachers look for the current DroneDeploy, Drone2Map, and Skyebrowse application manuals?	A. Student notes only B. Teacher Resources folder and current Word/PDF manuals C. Drone manufacturer websites only D. The end-of-day test answer key	
4. Why can the trainer use an already returned DroneDeploy result instead of waiting for live processing?	A. Processing time can exceed the workshop or class period B. Returned results are not useful for teaching C. DroneDeploy does not process uploaded imagery D. It avoids discussing map quality	
5. Which pair includes appropriate DroneDeploy flight preparation items?	A. Music playlist and classroom seating chart B. Batteries and site safety/weather check C. Lunch order and printed certificates D. Student grades and final transcript	
6. Which application workflow must continue through ArcGIS Online upload/sharing and web app creation?	A. Skyebrowse only B. DroneDeploy only C. ArcGIS Drone2Map D. DJI Fly	
7. What should teachers verify before teaching Drone2Map on classroom computers?	A. Installation, license, ArcGIS Online access, sample data, storage, internet, and processing readiness B. Only that the drone battery is charged C. Only that the projector works D. Only that students have a notebook	
8. What should teachers do if students	A. Cancel the application lesson	

cannot fly or collect live imagery?	B. Skip all assessment C. Use sample imagery, scenario images, already captured data, or pre-processed examples D. Teach only drone regulations	
9. During the DJI Avata 2 / Skyebrowse 360 Indoor demonstration, what is the first priority?	A. Fastest possible flight speed B. Safety: controlled space, clear boundaries, trained pilot, and no people in the flight path C. Uploading before checking the room D. Flying without a plan	
10. What is the recommended passing score for this teacher assessment?	A. 5 out of 10 B. 6 out of 10 C. 7 out of 10 D. 8 out of 10	

Trainer Answer Key

Question	Correct Answer	Rationale
1	A	The DP03 locked package contains the main curriculum delivery materials.
2	A	The launchpad is the first file teachers should open when orienting to the course package.
3	B	The current application manuals are in Teacher Resources as Word/PDF files.
4	A	Returned results keep the workshop on schedule while still allowing results review.
5	B	Batteries, weather, and site safety are core mission preparation checks.
6	C	Drone2Map connects the local processing workflow to ArcGIS Online and web app creation.
7	A	Drone2Map depends on installation, licensing, accounts, data, storage, internet, and processing readiness.
8	C	Backup imagery and pre-processed examples keep instruction moving when live capture is not possible.
9	B	Indoor drone demonstration must start with safety and controlled conditions.
10	D	The recommended passing score is 8 out of 10.

Appendix A: Quick Application Comparison

Topic	DroneDeploy	ArcGIS Drone2Map	Skyebrowse
Best teaching role	Cloud mapping, mission planning, upload, analysis, reporting, sharing.	Desktop processing with GIS/ArcGIS Online connection.	Fast 3D visual modeling, interior/360 capture, quick model review.
Primary preparation risk	Account permissions, project setup, upload time.	Installation, licensing, processing power, local storage.	Account level, supported workflow, capture quality, upload method.
Student takeaway	How a planned or uploaded drone dataset becomes a usable cloud map/report.	How image processing choices produce 2D/3D GIS deliverables.	How capture technique affects fast 3D model quality and measurements.
Assessment link	Use manual deliverables and existing course test.	Use manual deliverables and existing course test.	Use manual deliverables and existing course test.

Appendix B: Trainer Preparation Checklist

- [] Open each current manual and PDF before the workshop.
- [] Confirm teacher access to existing tests or assessments.

- [] Confirm DroneDeploy login or demonstration access.
- [] Confirm Drone2Map installation, license, and ArcGIS Online access if demonstrating live.
- [] Confirm Skyebrowse login and selected workflow for demonstration.
- [] Prepare sample imagery or pre-processed examples in case internet or processing time becomes a problem.
- [] Prepare DJI Avata 2 batteries, controller, safe indoor space, and a fallback video if live flight is not appropriate.
- [] Decide which application workflow must be shown live and which can be shown from the manuals/PDFs.

Appendix C: Official Document Reference List

Reference	Location
DP03 Locked Curriculum Package	Curriculum Package\DP03_Mapping_LOCKED_2026-06-22
Teacher Launchpad	Curriculum Package\DP03_Mapping_LOCKED_2026-06-22\OPEN_THIS_TEACHER_LAUNCHPAD.pdf
Course Map and File Index	Curriculum Package\DP03_Mapping_LOCKED_2026-06-22\00_Start_Here
Locked Curriculum Guide	Curriculum Package\DP03_Mapping_LOCKED_2026-06-22\01_Locked_Curriculum_Guide
Lesson Plans	Curriculum Package\DP03_Mapping_LOCKED_2026-06-22\02_Lesson_Plans
PowerPoint Slides	Curriculum Package\DP03_Mapping_LOCKED_2026-06-22\03_PowerPoint_Slides
Curriculum Teacher Resources	Curriculum Package\DP03_Mapping_LOCKED_2026-06-22\04_Teacher_Resources
Student Handouts	Curriculum Package\DP03_Mapping_LOCKED_2026-06-22\05_Student_Handout_References and 06_Printable_Student_Handouts
Assessments and Rubrics	Curriculum Package\DP03_Mapping_LOCKED_2026-06-22\07_Assessments_and_Rubrics
DroneDeploy Training Manual	Teacher Resources\DroneDeploy Training Manual 06-25-2026 .docx
DroneDeploy Training Manual PDF	Teacher Resources\DroneDeploy Training Manual 06-25-2026 .pdf
ArcGIS Drone2Map Training Manual	Teacher Resources\ArcGIS Drone2Map Training Manual 07-06-2026 .docx
ArcGIS Drone2Map Training Manual PDF	Teacher Resources\ArcGIS Drone2Map Training Manual 07-06-2026 .pdf
ArcGIS Drone2Map Installation Manual	Teacher Resources\ArcGIS Drone2Map Installation Manual 06-26-2026.docx
Skyebrowse Training Manual	Teacher Resources\SkyeBrowse Training Manual 06-25-2026.docx
Skyebrowse Training Manual PDF	Teacher Resources\SkyeBrowse Training Manual 06-25-2026.pdf
Scenario Images	Images
Existing tests / assessments	Use the program testing or LMS location already provided to teachers.