iTeachWise

Free Lesson Plan — Teacher Edition

NO LOGIN · NO LMS · WORLDWIDE

6-8 Earth Science — Weekly Lesson Plan

GRADE LEVEL	SUBJECT	WEEK OF
6-8	Earth Science	_____

Unit Overview

This weekly Earth Science plan covers plate tectonics, earthquakes, and volcanic activity for 6-8 students, aligned to NGSS MS-ESS2-2, MS-ESS2-3.

Standards Alignment

NGSS MS-ESS2-2, MS-ESS2-3

Global Standards Mapping

United States:
NGSS MS-ESS2-2, MS-ESS2-3

United Kingdom:
Key Stage 3 (Years 7–9, ages 11–14)

Australia / NZ:
Years 7–8 (AC v9.0) · NZ Levels 4–5

IB Programme:
MYP — Years 1–3 (ages 11–14)

Canada (Ontario):
Ontario Intermediate Division (Grades 7–8)

Singapore / India:
MOE Secondary 1–2 · NCERT Classes 6–8

EU/EEA note: EU/EEA: GDPR-compliant — no student PII collected; teacher use only

Companion Student Handout — ready to photocopy

Each lesson plan ships with a separate "Student Edition" PDF — daily I-can goals, vocabulary blanks, work space, and exit-ticket boxes. No teacher prep. Print and hand out.

Session 1

6-8 Earth Science — Weekly Lesson Plan

Learning Objective

Students will engage with plate tectonics, earthquakes, and volcanic activity at a 6-8 level — session 1 focus area.

Standards Alignment

NGSS MS-ESS2-2, MS-ESS2-3

Materials Needed

- Whiteboard
- Student notebooks
- Subject-specific handouts (provided)
- Anchor chart paper

Lesson Flow

Opening / Hook (5-10 min):

5 min — Open with a quick warm-up tied to plate tectonics, earthquakes, and volcanic activity; ask: "What do you already know?"

Direct Instruction (15-20 min):

15 min — Introduce the day's concept with a worked example on the board.

Guided Practice (10-15 min):

10 min — Work through 2-3 problems together, students at desks responding.

Independent Practice (10-15 min):

10 min — Students complete the practice handout at their own pace.

Closing / Exit Ticket (5 min):

5 min — Exit ticket: students write one sentence summarizing today's learning.

Differentiation

For struggling learners:

Provide a partially-completed example to model the process step-by-step.

For advanced learners:

Offer an extension problem that requires applying the concept to a new context.

For ELL students:

Pre-teach 3-5 key vocabulary terms with visuals; provide a sentence frame.

For IEP students:

Reduce problem count by half; allow extended time and oral-response option.

Session 2

6-8 Earth Science — Weekly Lesson Plan

Learning Objective

Students will engage with plate tectonics, earthquakes, and volcanic activity at a 6-8 level — session 2 focus area.

Standards Alignment

NGSS MS-ESS2-2, MS-ESS2-3

Materials Needed

- Whiteboard
- Student notebooks
- Subject-specific handouts (provided)
- Anchor chart paper

Lesson Flow

Opening / Hook (5-10 min):

6 min — Open with a quick warm-up tied to plate tectonics, earthquakes, and volcanic activity; ask: "What do you already know?"

Direct Instruction (15-20 min):

20 min — Introduce the day's concept with a worked example on the board.

Guided Practice (10-15 min):

15 min — Work through 2-3 problems together, students at desks responding.

Independent Practice (10-15 min):

15 min — Students complete the practice handout at their own pace.

Closing / Exit Ticket (5 min):

5 min — Exit ticket: students write one sentence summarizing today's learning.

Differentiation

For struggling learners:

Provide a partially-completed example to model the process step-by-step.

For advanced learners:

Offer an extension problem that requires applying the concept to a new context.

For ELL students:

Pre-teach 3-5 key vocabulary terms with visuals; provide a sentence frame.

For IEP students:

Reduce problem count by half; allow extended time and oral-response option.

Session 3

6-8 Earth Science — Weekly Lesson Plan

Learning Objective

Students will engage with plate tectonics, earthquakes, and volcanic activity at a 6-8 level — session 3 focus area.

Standards Alignment

NGSS MS-ESS2-2, MS-ESS2-3

Materials Needed

- Whiteboard
- Student notebooks
- Subject-specific handouts (provided)
- Anchor chart paper

Lesson Flow

Opening / Hook (5-10 min):

7 min — Open with a quick warm-up tied to plate tectonics, earthquakes, and volcanic activity; ask: "What do you already know?"

Direct Instruction (15-20 min):

15 min — Introduce the day's concept with a worked example on the board.

Guided Practice (10-15 min):

10 min — Work through 2-3 problems together, students at desks responding.

Independent Practice (10-15 min):

10 min — Students complete the practice handout at their own pace.

Closing / Exit Ticket (5 min):

5 min — Exit ticket: students write one sentence summarizing today's learning.

Differentiation

For struggling learners:

Provide a partially-completed example to model the process step-by-step.

For advanced learners:

Offer an extension problem that requires applying the concept to a new context.

For ELL students:

Pre-teach 3-5 key vocabulary terms with visuals; provide a sentence frame.

For IEP students:

Reduce problem count by half; allow extended time and oral-response option.

Session 4

6-8 Earth Science — Weekly Lesson Plan

Learning Objective

Students will engage with plate tectonics, earthquakes, and volcanic activity at a 6-8 level — session 4 focus area.

Standards Alignment

NGSS MS-ESS2-2, MS-ESS2-3

Materials Needed

- Whiteboard
- Student notebooks
- Subject-specific handouts (provided)
- Anchor chart paper

Lesson Flow

Opening / Hook (5-10 min):

8 min — Open with a quick warm-up tied to plate tectonics, earthquakes, and volcanic activity; ask: "What do you already know?"

Direct Instruction (15-20 min):

20 min — Introduce the day's concept with a worked example on the board.

Guided Practice (10-15 min):

15 min — Work through 2-3 problems together, students at desks responding.

Independent Practice (10-15 min):

15 min — Students complete the practice handout at their own pace.

Closing / Exit Ticket (5 min):

5 min — Exit ticket: students write one sentence summarizing today's learning.

Differentiation

For struggling learners:

Provide a partially-completed example to model the process step-by-step.

For advanced learners:

Offer an extension problem that requires applying the concept to a new context.

For ELL students:

Pre-teach 3-5 key vocabulary terms with visuals; provide a sentence frame.

For IEP students:

Reduce problem count by half; allow extended time and oral-response option.

Session 5

6-8 Earth Science — Weekly Lesson Plan

Learning Objective

Students will engage with plate tectonics, earthquakes, and volcanic activity at a 6-8 level — session 5 focus area.

Standards Alignment

NGSS MS-ESS2-2, MS-ESS2-3

Materials Needed

- Whiteboard
- Student notebooks
- Subject-specific handouts (provided)
- Anchor chart paper

Lesson Flow

Opening / Hook (5-10 min):

9 min — Open with a quick warm-up tied to plate tectonics, earthquakes, and volcanic activity; ask: "What do you already know?"

Direct Instruction (15-20 min):

15 min — Introduce the day's concept with a worked example on the board.

Guided Practice (10-15 min):

10 min — Work through 2-3 problems together, students at desks responding.

Independent Practice (10-15 min):

10 min — Students complete the practice handout at their own pace.

Closing / Exit Ticket (5 min):

5 min — Exit ticket: students write one sentence summarizing today's learning.

Differentiation

For struggling learners:

Provide a partially-completed example to model the process step-by-step.

For advanced learners:

Offer an extension problem that requires applying the concept to a new context.

For ELL students:

Pre-teach 3-5 key vocabulary terms with visuals; provide a sentence frame.

For IEP students:

Reduce problem count by half; allow extended time and oral-response option.

Need a custom plan for YOUR students?

iTeachWise generates personalized lesson plans, differentiated materials, student handouts, and ESA / IEP / GDPR-aware compliance docs in minutes. Free to start. Works independently of Canvas, Schoology, Blackboard or Moodle. No credit card required.

Try iTeachWise free!' iteachwise.com

No Canvas required. No login required. No student data collected.