

Greek & Latin Word Forge 6

Mission: Science and social studies are full of Greek word parts. Forge the words scientists use every day, then use word parts to decode words you have never seen before.

Big question: How can Greek and Latin word parts help us determine the meanings of academic words?

★ Warm-up: Decode it

Use the parts to guess the meaning.

geology (geo = earth, logy = study of) ✓ **Study of the earth.**

telephone (tele = far, phone = sound) ✓ **Sound from far away.**

Key vocabulary

Affix	A prefix or suffix.
Root	The core meaning part of a word.
Academic vocabulary	Words used in school subjects.
Word family	Words that share a root.

1 Box 1

All orders

In the simulator: Forge all five target words.

Record each word.

Meaning	Word
a tool that measures heat	thermometer
writing about your own life	autobiography
the order of events in time	chronology

2 Box 2

Word families

In the simulator: Forge at least 9 real words.

What did you notice?

3 Box 3

Decode new words

Using word parts, what is a "hydrometer" (hydro = water)?

☐ A tool that measures water ☐ The study of water ☐ A picture of water

✓ **A tool that measures water**

Across subjects

Which subject would you most likely read each word in?

Sort: thermometer · biography · microscope · chronology · geology

Science	Social studies / ELA
thermometer microscope geology	biography chronology

4 Box 4

Teach a word family

Choose a root (bio, geo, chrono, or thermo). List three words with it and explain how the root connects their meanings.

Look for: Names the root; Explains the connection; at least 20 words

5 Box 5

Legend: invent a word Legend only

Invent a word from these parts for something new (like "phonoscope") and define it. Explain your reasoning.

Look for: Defines and explains; at least 14 words



Exit ticket: answer the big question in your own words

How can Greek and Latin word parts help us determine the meanings of academic words?

Look for: Many academic words combine Greek parts: bio (life) + logy (study of) = biology. Once you know a part, it unlocks a whole family of words (biology, biography, autobiography). This is one of the fastest ways to grow your vocabulary.

Completion codes

Students see a code like **ABC-I3** when they finish. The first part must match below. The letter is the level (E = Explorer, I = Investigator, L = Legend), and the number at the end is how many stars they earned.

Level	Code starts with
 Explorer	1QL-E
 Investigator	1GE-I
 Legend	TCI-L



Watch for these misconceptions

- "Synonyms can always be swapped." Connotation changes the meaning and tone.
- "Tone and mood are the same." Tone is the author's attitude; mood is how the reader feels.
- "Figurative language is only in poems." It appears in all kinds of writing, even news.