

**CAREER
PATHS**

LANDSCAPING

STACEY UNDERWOOD - JENNY DOOLEY

Book

1



Express Publishing

Scope and Sequence

Unit	Topic	Reading context	Vocabulary	Function
1	Features of a Landscape	Article	barrier, decorative, foundation, functional, groundcover, landscape, layout, plant, privacy, shelter, structure, walkway	Talking about possibilities
2	Tools and Equipment 1	Customer reviews	bucket, hand cultivator, hoe, hose, lopper, pruning shears, rake, shovel, trowel, wheelbarrow	Expressing dissatisfaction
3	Tools and Equipment 2	Memo	blower, chainsaw, circular saw, edger, handheld, hedge trimmer, lawnmower, sod cutter, sprayer, string trimmer, stump grinder, wood chipper	Confirming information
4	Tools and Equipment 3	Brochure	aerator, auger, box scraper, dethatcher, land plane, power rake, pulverizer, riding, tiller, tractor, trencher	Describing order of events
5	Materials	Email	aluminium, asphalt, brick, concrete, dirt, gravel, plastic, pressure-treated, rock, sand, stone, tile, wood	Politely disagreeing
6	Planters	Proposal	barrel, bed, box, frame, hanging basket, planter, pot, saucer, stand, straw bale planter	Making a suggestion
7	Types of Plants	Memo	annual, biennial, edible, flowering, herbaceous, nonflowering, ornamental, perennial, plant, woody	Showing agreement
8	Flowers	Poster	bud, bulb, flower, fruit, leaf, node, petal, pod, root, seed, stem	Adding information
9	Trees	Advice column	branch, conifer, deciduous, foliage, mature, root system, sapling, shade, tree, trunk	Delivering bad news
10	Shrubs	Feedback form	accent, border, bush, complement, freestanding, greenery, group, hedge, screen, shrub, specimen, topiary	Describing spatial relationships
11	Vines	Textbook chapter	climber, clinger, horizontal, lattice, spiral, stem twiner, tendril twiner, train, trellis, vertical, vine, wind	Expressing surprise
12	Grasses	Guide	coarse, dense, dormant, drought-tolerant, fine, grass, lawn, lush, rugged, spotty, texture	Making a recommendation
13	Groundcovers	Book chapter	cutting, deep shade, disintegrate, division, erosion, netting, out of control, slope, spread out, stabilize	Correcting a misconception
14	Measurements	Chart	acre, Celsius, centimeter, degree, Fahrenheit, foot, gallon, hectare, inch, liter, meter, square foot, square meter	Making an apology
15	Basic Actions	Employee handbook	broadcast, dig, fertilize, mow, plant, plow, prune, transplant, water, weed	Describing necessity

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Scope and Sequence

Unit	Topic	Reading context	Vocabulary	Function
1	Soil Preparation	Memo	carbon, C:N ratio, compost, fertile, fix, mulch, nitrogen, nutrient, pH, smother, soil amendment, soil survey, soil test	Describing mixed results
2	Soil Amendments	Book excerpt	concentrate, emulsion, fertilizer, foliar feeding, manure, peat, perlite, phosphorous, potassium, stimulate, vermiculite, worm castings	Giving a reminder
3	Planting	Employee handbook	air circulation, companion plant, direct seeding, dry out, frost, frost-free date, gentle, hardy, press, root-ball, spacing, transplanting, transplant shock	Delivering bad news
4	Plant Maintenance	Course description	cage, deadhead, hard pinch, moisture sensor, overwater, pinching, prolong, soft pinch, stake, support, tie, twine, weeding	Making a recommendation
5	Watering 1	Email	dehydrate, evaporation, irrigate, leak, moisture, nozzle, pistol grip, rainfall, root zone, sprinkler, wand, wind drift	Making an admission
6	Watering 2	Webpage	automatic, bubbler, controller, drip irrigation, dripline, filter, flow regulator, mister, sensor, spray, timer, valve, weather-based	Discussing pros and cons
7	Drainage	Book chapter	berm, culvert, dam, divert, downspout, drainage, drainpipe, dry well, grade, gutter, pool, retaining wall, seepage, swale, trench	Making an assumption
8	Growing Trees	Advice column	bag, bare-root, B&B, brace, container-grown, fill in, guy, horizontal root, matted, mound, sway, taproot, tree protector, unwind, uproot	Correcting someone
9	Growing Shrubs	Agenda	abrade, bury, crossing branches, cultivate, deadwood, potbound, profusion, propagate, sever, shape, smooth, thin, wound	Describing cause and effect
10	Growing Lawns	Brochure	dissipate, distribute, edging, firm, furrow, grass plugger, hopper, plugging, seeding, sodding, sow, sprigging, tamp	Making a comparison
11	Lawn Maintenance	Note	broadcast spreader, dethatch, edge, manicure, obstacle, reseed, sharpen, spot treatment, thatch, trough spreader, weeding fork, weed-killer	Showing agreement
12	Diseases and Pests 1	Email	bacteria, barrier, beneficial, deer, disease, fungus, herbicide, infestation, insect, insecticidal soap, pest, pesticide, rodent, spray, trap	Making a suggestion
13	Diseases and Pests 2	Blog post	certified, environment, integrated pest management, organic, nonsynthetic, nutrient management, pest-repelling plant, pollution, preventive, sanitation, sustainable	Asking for clarification
14	Seasons	Email	arid, climate, fall, freeze, humidity, precipitation, season, spring, summer, sunlight, temperature, weather, winter	Making a realization
15	Health and Safety	Employee handbook	back brace, bite, blister, earplugs, face shield, fracture, gloves, goggles, hard-toed boots, lifting technique, mask, sting, strain, sunscreen, wound	Describing necessity

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soil amendment

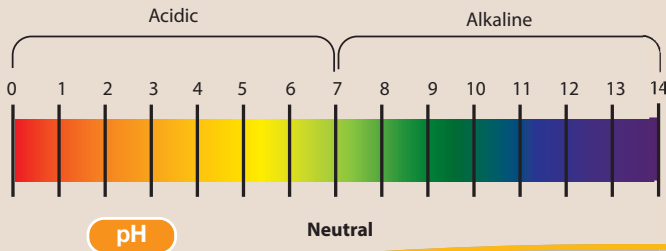


mulch



compost

The PH Scale



pH

Neutral



EMAIL



LOGIN



SIGN UP



HOME

From: Bill Watkins, Supervisor
 To: University Landscaping Staff
 Subject: Proper Soil Preparation Measures

Landscaping Team Members,
 I've noticed that many of our plants are doing poorly. Therefore, I want to remind everyone about the correct soil preparation measures. Follow these steps to ensure **fertile** soil.

- 1 Consult the university's **soil survey** results for an overall sense of the soil quality.
- 2 Do a **soil test** of the *specific* area that you are preparing.
- 3 Pay particular attention to the levels of **nutrients**. Also note the soil's **pH** level. These factors will determine which **soil amendments** you need.
- 4 If necessary, use **compost** as a soil amendment. We want the **C:N ratio** to be 25:1. Spread a layer of hay to provide essential **carbon**. Then coordinate with the cafeteria staff to receive kitchen **waste**. Adding this kind of organic matter **fixes** the soil with **nitrogen**.
- 5 Apply a two-inch layer of **mulch** to the bed. This will **smother** any weeds.

Email me if you have any questions.



nitrogen

Nitrogen

Get ready!

1 Before you read the passage, talk about these questions.

- 1 What do landscapers need to know about soil before planting?
- 2 How can landscapers improve soil quality?

Reading

2 Read the memo. Then, complete the table.

Task	Purpose
1 _____	To indicate which substances the soil needs
2 _____	To improve the nitrogen content in the soil
Reading the soil survey	3 _____
Spreading mulch over the ground	4 _____

Vocabulary

3 Match the words or phrases (1-7) with the definitions (A-G).

- | | |
|-----------------|-------------------|
| 1 ___ carbon | 5 ___ smother |
| 2 ___ C:N ratio | 6 ___ pH |
| 3 ___ fix | 7 ___ soil survey |
| 4 ___ mulch | |

- A the relationship between two important nutrients in soil
- B a number that measures how acidic or alkaline something is
- C to prevent something from getting air or the space that it needs to live
- D to convert nitrogen into a form that plants can use
- E a substance that consists of decaying leaves or other organic material
- F a chemical element that is present in all living things
- G the process of studying the earth in a particular area

4 Write a word or phrase that is similar in meaning to the underlined part.

- The landscaper spread a substance that contains high quantities of decomposing organic matter over the flowerbed.
_ _ m _ o _ _
- The landscaper did an analysis of a sample of earth to assess its nutrient and contamination levels before planting.
s _ _ _ _ e s _
- The soil in the field was able to produce healthy crops and plants.
_ e r _ _ _ e
- A chemical element that plants need to live is one of the main ingredients in standard fertilizers.
_ _ t r _ _ _ n
- The store sells a variety of substances that improve the earth for growing.
_ o _ _ _ a _ _ n _ m _ _ t s
- The soil was filled with substances that living things need in order to grow.
_ u t _ _ e _ _ s

5 Listen and read the memo again. What is one of the nutrients that plants need?

Listening

6 Listen to a conversation between two gardeners. Mark the following statements as true (T) or false (F).

- ___ According to the soil test, the pH levels are too high.
- ___ The soil needs more nitrogen in order to be fertile.
- ___ The man suggests changing the ingredients in the compost.

7 Listen again and complete the conversation.

Gardener 1: Gretchen, I just finished the **1** _____ of the west flowerbeds. We need to discuss the results.

Gardener 2: Oh, no! That part of the grounds is always causing us trouble.

Gardener 1: Well, the good news is that the **2** _____ are finally suitable for our plants.

Gardener 2: And the **3** _____ ?

Gardener 1: There's an alarming lack of **4** _____ in the soil.

Gardener 2: I bet we're low on **5** _____ again.

Gardener 1: I'm afraid so. We need to really boost those levels to make the soil fertile.

Gardener 2: I suppose we could add another layer of **6** _____ .

Speaking

8 With a partner, act out the roles below based on Task 7. Then, switch roles.

USE LANGUAGE SUCH AS:

I just finished ...

The good news is ...

I suppose ...

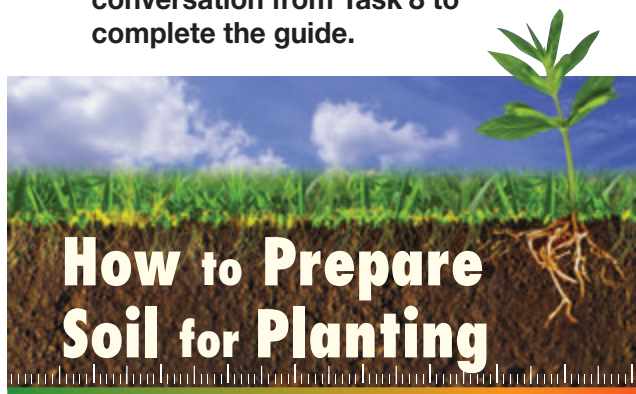
Student A: You are a gardener. Talk to Student B about:

- the results of a soil test
- some good news about the soil
- some bad news about the soil

Student B: You are a gardener. Talk to Student A about results of a soil test.

Writing

9 Use the memo and the conversation from Task 8 to complete the guide.



How to Prepare Soil for Planting

To ensure fertile soil, please follow the steps below.

- Do a soil test. This is important because _____ .
- _____ .
This is important because _____ .
- _____ .
This is important because _____ .

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Scope and Sequence

Unit	Topic	Reading context	Vocabulary	Function
1	Design Elements	Feedback form	accentuate, asymmetrical, balance, contrast, focal point, geometry, intensity, patterns, proportion, rhythm, symmetrical, unity, variety, visual	Making a suggestion
2	Surveying	Textbook excerpt	gas line, plat, plot, property line, septic tank, sewer line, site, stake, survey, underground, water line, well	Expressing a preference
3	Planning	Email	designated, existing, living area, lot, main approach, map, neighboring, street view, to scale, use area, utility ,view	Showing agreement
4	Foundations 1	Memo	brick-set, compacted, dry run, even, flagstone, grout, lay, maul, mortar, path, patio, paver, sand bed, score, slab	Making a polite request
5	Foundations 2	Book chapter	cure, excavate, expansion joint, form board, joint filler, level, mixer, pour, ready-mix, reference stake, screed, slab, topcoat	Restating an idea
6	Fences	Advice column	anchor, code, corner post, fence, frost heave, gate, gatepost, picket, post, setback, set, sink	Confirming information
7	Walls	Textbook hapter	closer, course, English bond, Flemish bond, footing, grout, header, masonry, pilaster, plumb, rebar, retaining wall, stretcher, wall	Expressing uncertainty
8	Water Features	Work Order	bank, conform, coping, EPDM, fish, fountain, GFCI, liner, pool, pump, PVC, solar, UF cable, waterfall, water feature	Adding information
9	Beds	Email	base, curved, elevated box, frame, ground-level bed, mimic, outcrop, outline, raised bed, rock garden, straight	Making a conditional statement
10	Decorative Structures	Memo	arbor, bench, deck, fireplace, gazebo, hardscaping, lighting, outdoor living, screen, sculpture garden, signage, statuary, step, terraced	Discussing a hypothetical situation
11	Landscape Maintenance	Brochure	cleanup, commercial, estate, groundskeeping, institution, intermittent, lawn care, maintenance, ongoing, park, residential, special event, temporary, tree removal, yard	Offering assistance
12	Landscape Architecture 1	Webpage	construction, curb appeal, design/build, design, ecology, geology, green, horticulture, landscape architecture, reclamation, streetscape, sustainable development, xeriscape	Asking for more information
13	Landscape Architecture 2	Webpage	compliance, industrial design, infrastructure, ordinance, parks and recreation, permit, playground, site analysis, transportation structure, urban planning, urban renewal, water management	Correcting a misconception
14	Management	Cover letter	budget, collaborate, contract, cost, crew, estimate, insured, licensed, master, planning, proposal, supervise, workmanship	Expressing certainty
15	Jobs	Webpage	carpenter, consultant, equipment operator, foreman, gardener, groundskeeper, laborer, landscape architecture, landscape engineer, project manager, stonemason	Greeting someone

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Glossary

- abrade** [V-T-U9] To **abrade** something is to rub it hard enough to damage its surface.
- air circulation** [N-UNCOUNT-U3] **Air circulation** is the movement of air around something.
- arid** [ADJ-U14] If an area is **arid**, it is dry and receives little rain.
- automatic** [ADJ-U6] If something is **automatic**, it is designed to work on its own without requiring someone to operate it.
- B&B trees** [N-COUNT-U8] **B&B** (ball and burlap) **trees** are dug out of the ground and then have their roots wrapped in burlap until they are ready for transplanting.
- back brace** [N-COUNT-U15] A **back brace** is a device that fits around a person's torso in order to support his or her back and prevent injury.
- bacteria** [N-COUNT-U12] **Bacteria** are single-celled organisms that can cause disease in other organisms.
- bag** [V-T-U8] To **bag** a tree is to wrap fabric around its roots and secure it with twine.
- bare-root** [ADJ-U8] If a plant is **bare-root**, it is sold in a dormant state with visible roots.
- barrier** [N-COUNT-U12] A **barrier** is a physical obstacle that prevents access to something.
- beneficial** [ADJ-U12] If something is **beneficial**, it is helpful in some way.
- berm** [N-COUNT-U7] A **berm** is a low wall made from dirt or sand.
- bite** [N-COUNT-U15] A **bite** is an action in which an animal or insect uses its mouth to tear someone's skin.
- blister** [N-COUNT-U15] A **blister** is an area of a person's skin that becomes raised or broken due to irritation.
- brace** [V-T-U8] To **brace** something is to provide support for it so that it does not fall down.
- broadcast spreader** [N-COUNT-U11] A **broadcast spreader** is a container on wheels that distributes something over the ground in an arc.
- bubbler** [N-COUNT-U6] A **bubbler** is a type of sprinkler nozzle that emits water at a slow speed, over a small area.
- bury** [V-T-U9] To **bury** something is to place it in the ground and cover it with dirt.
- C:N ratio** [N-COUNT-U1] A **C:N** (carbon to nitrogen) **ratio** is the amount of carbon relative to the amount of nitrogen in soil, and is one factor in the measurement of soil fertility.
- cage** [N-COUNT-U4] A **cage** is a wire structure that holds up the branches of a plant.
- carbon** [N-UNCOUNT-U1] **Carbon** (C) is a chemical element that is present in all living things.
- certified** [ADJ-U13] If a farm is **certified**, it is officially recognized or approved for something.
- climate** [N-COUNT-U14] A **climate** is the general pattern of weather in a particular region over a long period of time.
- companion plant** [N-COUNT-U3] A **companion plant** is a plant that is planted near another one in order to help the other plant grow.
- compost** [N-UNCOUNT-U1] **Compost** is a substance that contains high quantities of decomposing organic matter.
- concentrate** [N-COUNT-U2] A **concentrate** is a strong, pure form of a liquid substance.
- container-grown** [ADJ-U8] If a plant or tree is **container-grown**, it develops in a planter or other container instead of in the ground.
- controller** [N-COUNT-U6] A **controller** is a part of a machine that is responsible for a particular process.
- crossing branches** [N-COUNT-U9] **Crossing branches** are two branches of a tree or shrub that grow into each other's paths. This often causes the branches to become tangled or otherwise disrupts their growth.
- cultivate** [V-T-U9] To **cultivate** land is to prepare it so that it is suitable for plants to grow.
- culvert** [N-COUNT-U7] A **culvert** is a wide pipe that carries water under a road or railway line.
- dam** [N-COUNT-U7] A **dam** is a wall that is built across a river to prevent water from flowing. People usually construct a dam in order to form a lake or to produce electricity.
- deadhead** [V-T-U4] To **deadhead** a flower is to remove dead blossoms from it.
- deadwood** [N-UNCOUNT-U9] **Deadwood** is a plant or portion of a plant that is no longer living.

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PATHS**

LANDSCAPING

Career Paths: Landscaping is a new educational resource for landscaping industry professionals who want to improve their English communication in a work environment. Incorporating career-specific vocabulary and contexts, each unit offers step-by-step instruction that immerses students in the four key language components: reading, listening, speaking, and writing. **Career Paths: Landscaping** addresses topics including landscaping equipment, types of plants, lawn maintenance, landscape architecture, and urban planning. The series is organized into three levels of difficulty and offers a minimum of 400 vocabulary terms and phrases. Every unit includes a test of reading comprehension, vocabulary, and listening skills, and leads students through written and oral production.

Included Features:

- A variety of realistic reading passages
- Career-specific dialogues
- 45 reading and listening comprehension checks
- Over 400 vocabulary terms and phrases
- Guided speaking and writing exercises
- Complete glossary of terms and phrases

The **Teacher's Guide** contains detailed lesson plans, a full answer key and audio scripts.

The **audio CDs** contain all recorded material.



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