👩‍🏫 Staff Guide · Biology A · Unit 3 Biofuel & Energy (Level 2)

Level 2 = about 3rd-grade reading. SLE students stay in Ms. Dunham's lesson and use these pieces next to it: same topics, same order, same points.

1. How the pieces line up

Gen ed piece (Canvas: "Unit 2 Algae Biofuel: A3 Matter & Energy (Characteristics of Matter and Energy, Energy Transfer & Transformation, Crash Course Chemistry, Bill Nye Energy), A5 Making Lipids, A6 Making Biofuel + Combustion Lab, A7 Energy Reactions, A8 Carbon Cycle, A10 Global Connections, A2.10 Algae Biofuel Review, Algae Biofuel Final Exam")	**Level 2 piece**
A3 Matter & Energy worksheets + Crash Course Chemistry + Bill Nye Energy	Notes part A + slides 1-6 (her two A3 worksheets grouped as one lesson)
A5 Making Lipids (Lego model)	Notes part B + lipid slide
A6 Making Biofuel + Combustion Lab (10 pts)	Biodiesel observer packet (🔬 Labs & Projects)
A7 Energy Reactions	Energy-changes packet + notes part D
A8 Carbon Cycle (+ webquest)	Notes part E + carbon-cycle order game
A10 Global Connections	🚧 Under construction (her topics are only pictures)
Algae Test review + Algae Biofuel Final Exam / paper Algae Test	Modified unit test + key
Class slides	Deck: 24 slides, Words to Know first, hold-up-1-2-3 checks, recap
Her worksheets (grouped into lessons)	Guided notes: 21 items + key
Class quiz / notes check	Quiz: 13 questions + key
Vocabulary	13 picture cards (cut apart)
—	2 games on the class site: matching + step-by-step order

2. Supports built in

- Short lines, key words bold, word bank in every notes box
- Quiz: 3 choices, no "all of the above"
- Picture anchors: ⚡ energy = makes things move, 🪨 stored vs 🏃 moving, 🧈 lipid = oil
- Level 1 uses no chemical formulas; Level 2 uses word equations only

3. Add these as the IEP allows

- Read-aloud · extended time · separate setting
- Printed slides · videos paused at the "look for" part

4. What to grade

- Unit test: same weight as the class Algae test, scaled
- **Notes**: same points as her worksheets for that lesson when complete.
- **Quiz**: score, then scale to the class points.
- These are **modifications** (less content). The IEP must allow modified grading. Check with the case manager.

5. Who to ask

- Mr. Driver, Room 113 (SLE): changes and IEP questions.
- Facts we could not confirm in her files say "check with Ms. Dunham".

🚧 Under construction (check with Ms. Dunham)

- **A10 Global Connections**: Her 24 connection topics are only in a picture PDF (no text). We need the topic list to build a picture reading.
- **Carbon cycle webquest**: Title only in Canvas; no file or link.
- **Biofuel sorter**: Title only in Canvas; no file.
- **Paper Algae Test (32 pts)**: Not in the export. Our test is built from her Final Exam quiz and review.

6. Photo credits (open licenses)

Chlorella vulgaris NIES2170.jpg — ja:User:NEON / User:NEON_ja, CC BY-SA 3.0, Wikimedia Commons · CSIRO ScienceImage 3977 Canola Flowers.jpg — Carl Davies, CSIRO, CC BY 3.0, Wikimedia Commons · Biodiesel.JPG — Shizhao拍摄, CC BY-SA 3.0, Wikimedia Commons · Biofuel pumps DCA 07 2010 9834.JPG — Mariordo Mario Roberto Duran Ortiz, CC BY-SA 3.0, Wikimedia Commons