

Lesson #1: Feed Your Engine - Proteins, Fats & Carbohydrates

Common Core Standards (CCS) & Next Generation Science Standards (NGSS)

CCS - ENGLISH/LANGUAGE ARTS:

3rd Grade

Writing:

Research to Build and Present Knowledge

8. Recall information from experiences or gather information from print and digital sources; take brief notes on sources and sort evidence into provided categories.

Speaking and Listening:

Comprehension and Collaboration

1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 3 topics and texts, building on others' ideas and expressing their own clearly.
3. Ask and answer questions about information from a speaker, offering appropriate elaboration and detail.

Presentation of Knowledge and Ideas

6. Speak in complete sentences when appropriate to task and situation in order to provide requested detail or clarification.

Language:

Conventions of Standard English

2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

4th Grade

Speaking and Listening:

Comprehension and Collaboration

1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 3 topics and texts, building on others' ideas and expressing their own clearly.
3. Ask and answer questions about information from a speaker, offering appropriate elaboration and detail.

Presentation of Knowledge and Ideas

6. Speak in complete sentences when appropriate to task and situation in order to provide requested detail or clarification.

Language:

Conventions of Standard English

2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

5th Grade

Speaking and Listening:

Comprehension and Collaboration

1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 3 topics and texts, building on others' ideas and expressing their own clearly.

Presentation of Knowledge and Ideas

6. Speak in complete sentences when appropriate to task and situation in order to provide requested detail or clarification.

Language:

Conventions of Standard English

2. Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.

NGSS - SCIENCE:

3rd Grade

Engineering Design (3-5-ETS1)

Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem (3-5-ETS1-2).

4th Grade

Engineering Design (3-5-ETS1)

Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem (3-5-ETS1-2).

5th Grade

Energy (5-PS3)

Use models to describe that energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun (5-PS3-1).

Engineering Design (3-5-ETS1)

Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem (3-5-ETS1-2).