

Middle School AWAY Project aligned with NGSS and CCS

Next Generation Science standards for grades 6-8

Common Core Standards for grades 6-8

Away Project Outline

→ Introduction

- ◆ Value of living in San Diego

→ Our planet is currently facing many issues.

→ “Let’s face it, the planet is trashed!”

→ Question: Where does our trash go?

→ Miramar Landfill

- ◆ Expected lifespan

- Impact on economy and population
- What happens when the landfill fills up?

CCSS.ELA-LITERACY.SL.6.1

→ Trash that doesn’t make it to the landfill

- ◆ Images of plastic trash on beach, bay, and ocean.
- ◆ Unlike organic matter, plastic does not decompose
- ◆ Explanation of how animals ingest plastic, mistaking it for food, and how animals become entangled with marine debris.

MS-LS1-5

MS-LS1-6

MS-LS2-1

MS-LS2-2

→ Question: “Does any of this matter to you? Why?”

CCSS.ELA-LITERACY.SL.7.1.C

CCSS.ELA-LITERACY.SL.6.1.C

- ◆ “Our ecosystems, environment, health, and economy are all connected, when one suffers, the rest do to”
- ◆ Impact on quality of life
- ◆ Impact on economy
- ◆ Impact on health
- ◆ Impact on community

→ Question: Where does our trash come from?

- ◆ Overview of industrial food system

- Monocrop fields
- Use of pesticides and fertilizers

- Processing and Transporting
- Packaging
- Wholesaler
- Retailer

MS-LS4-5

→ Consumption habits, consumerism

MS-PS1-3

MS-ESS3-5

→ Sustainability

- ◆ How do humans impact environmental sustainability?

CCSS.ELA-LITERACY.SL.8.1.D

- ◆ How can we live more sustainably?

CCSS.ELA-LITERACY.SL.7.6

CCSS.ELA-LITERACY.SL.7.1

MS-LS2-1

MS-ESS3-4

→ Explain AWAY Project- Trash experiment

CCSS.ELA-LITERACY.SL.8.1.B

CCSS.ELA-LITERACY.SL.6.1.B

CCSS.ELA-Literacy.RST.6-8.3

AWAY Project Part 2

→ Questions

CCSS.ELA-LITERACY.SL.8.1

CCSS.ELA-LITERACY.SL.6.1.A

- ◆ Did you fill your bag?
- ◆ What if you had to put all your trash, would you have filled it up?
- ◆ What took up the most space in your bag?
- ◆ Did anything surprise you?
- ◆ What were the challenges?
- ◆ Comparing average waste per person per day in select regions of California. (bar graph)

CCSS.ELA-LITERACY.RST.6-8.7

→ Sort recyclables and landfill waste.

- ◆ Explain recycling process
- Identify common trash items and come up with solutions on how to reduce and reuse.
CCSS.ELA-LITERACY.SL.6.1.C
- Reuse trash to make bottle bricks
- Question: If you had to carry your trash around next week, what would you do differently at school, home?
CCSS.ELA-LITERACY.SL.6.1.C P
CCSS.ELA-LITERACY.SL.8.1.A

Additional Content

www.awayproject.org

AWAY Project Application Questions

CCSS.ELA-LITERACY.SL.6.1.D

1. Do you think you'll change anything about your life after completing The AWAY Project?
2. How many items you will have in your bag by Friday?
3. Do you think your bag will overflow by Friday?
4. Which one you'll have collected more of by Friday? (Trash or Recycling)
5. Have people asked you about carrying the bag? If yes, what have you told them?
6. Did you carry your bag constantly?
7. How full is your bag? Think in percentages (%)
8. Do you think you'll change anything about your life after completing The AWAY Project?
9. How many items did you collect over the week?
10. List 3 common items and come up with a solution to reduce or reuse each.

High School AWAY Project aligned with NGSS and CCS

Next Generation Science standards for grades 9-12

Common Core Standards for grades 9-12

Away Project Outline

- Introduction
 - ◆ Value of living in San Diego
- Our planet is currently facing many issues
- “Let’s face it, the planet is trashed!”
- Question: Where does our trash go?
- Miramar Landfill
 - ◆ Expected lifespan
 - Impact on economy and population
 - What happens when it fills?
HS-ESS3-4
HS-ETS1-1
- Trash that doesn’t make it to the landfill
 - ◆ Show images of plastic trash on beach, bay, and ocean.
 - ◆ Explain how animals ingest plastic, mistaking it for food, and how animals become entangled with marine debris.
- Question: “Does any of this matter to you? Why?”
 - CCSS.ELA-LITERACY.SL.11-12.1*
 - CCSS.ELA-LITERACY.SL.9-10.1.C*
 - CCSS.ELA-LITERACY.SL.9-10.1.D*
 - ◆ “Our ecosystems, environment, health, and economy are all connected, when one suffers, the rest do to”
 - ◆ Impact on quality of life
 - ◆ Impact on economy
 - ◆ Impact on health
 - ◆ Impact on community
- Question: Where does our trash come from?
 - ◆ Overview of industrial food system
- Consumerism (clothing, electronics, etc)
- Sustainability - can we continue living like we’re living today?
 - HS-LS2-8*
 - HS-LS4-5*
 - HS-ESS3-1*

- Explain AWAY Project- Trash experiment
 - ◆ Students collect trash and recycling for 5 days.
CCSS.ELA-LITERACY.RST.9-10.6
CCSS.ELA-LITERACY.RST.11-12.3

AWAY Project Part 2

- Questions
 - ◆ Did you fill your bag?
 - ◆ What if you had to put all your trash, would you have filled it up?
 - ◆ What took up the most space in your bag?
 - ◆ Did anything surprise you?
 - ◆ What were the challenges?
 - ◆ Comparing average waste per person per day in select regions of California. (bar graph)
CCSS.ELA-LITERACY.SL.9-10.2
- Sort recyclables and landfill waste.
 - ◆ Explain recycling process
- Identify common trash items and come up with solutions on how to reduce and reuse.
CCSS.ELA-LITERACY.SL.9-10.1.A
HS-LS2-7
HS-LS4-6

- Reuse trash to make bottle brick building material.
CCSS.ELA-LITERACY.RST.9-10.3
HS-ETS1-2
- Question: If you had to carry your trash around next week, what would you do differently at school, home?
CCSS.ELA-LITERACY.SL.11-12.1.A
CCSS.ELA-LITERACY.SL.9-10.1
CCSS.ELA-LITERACY.RST.11-12.7
CCSS.ELA-LITERACY.RST.11-12.9

Additional Content
www.awayproject.org

AWAY Project Application Questions
CCSS.ELA-LITERACY.SL.6.1.D

CCSS.ELA-LITERACY.SL.9-10.4

1. Do you think you'll change anything about your life after completing The AWAY Project?
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