

the paradigm CHALLENGE

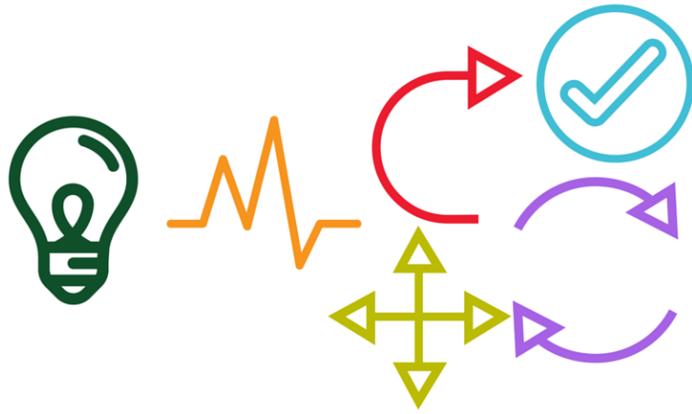
Handouts for The Paradigm Challenge Lesson Plan Ages 14-18



The Leading Types of Waste

Summary of Rules

YOUTH INVENTIONS



8

Abbey Fleck invented the “Makin’ Bacon” bacon rack when she was 8 years old. She patented the idea to hang bacon while it cooked in the microwave.

11

Frank Epperson invented the popsicle when he was 11 years old. He applied and received a patent in 1924 for the “Epsicle Ice Pop.”

12

Alexis Lewis invented the “Bamboo Travois” when she was 12 years old. It can be used to efficiently carry people and other heavy items over long distances.

16

Chester Greenwood invented earmuffs when he was 15 years old. He made two wire loops and asked his grandmother to sew fur and cloth on them.

16

George Nissen invented the trampoline when he was 16 years old. He created it in his parents’ garage by strapping a canvas sheet to a steel frame.

18

Emma and Scott invented the Fire Mitt at 18 years old. Their invention won the Grand Prize in the inaugural Paradigm Challenge.

SIX STEPS TO SOLVE



ANY CHALLENGE



STUDY the problem. You need to learn about the issues before you can take action.



OBSERVE what others are doing. Check out how others help.



LIST all imaginable ideas. In this brainstorming step, let your imagination fly.



VISUALIZE each idea. Assess whether it is effective, feasible, and original.



ENGAGE with others. Reach out to experts for feedback on your ideas.



DECIDE and present. Choose the best idea and create your presentation.

The Leading Types of Waste

95%

of water goes down
the drain

75%

of trash
is recyclable

50%

of energy
is wasted

40%

of food
is wasted



1

About 95% of home water goes down the drain as either run-off while watering lawns, or as sewage from toilets, sinks, and showers. What ideas do you have to use water smarter?

2

Around 75% of household trash makes its way to a landfill instead of being recycled or reused. What ideas do you have to reduce the amount of trash in landfills and increase recycling?

3

An estimated 50% of home energy is wasted by leaving lights on when not needed, or keeping electronics plugged-in while not in use. What ideas do you have to conserve energy?

4

More than 40% of food is uneaten and eventually thrown away. What ideas do you have to minimize the amount of food that is wasted each day?

the paradigm CHALLENGE

projectparadigm.org

ages
4 to 18
join • create • win
change
the world

The Earth is Everyone's Responsibility!
We believe in the power of youth.
Your creativity can help the environment.
We challenge you to change the world.

check out
public contests
and the
ambassador program
for more prizes

Top 5 Reasons to Join the Movement



1

Win 1 of 100 cash prizes up to \$100K.



2

Team up with your friends for fun.



3

You can change the world.



4

Boost your college application.



5

Your creativity can help save the Earth..

Summary of Rules

ELIGIBILITY

Teams of any size (or individually) in the following age brackets: 4-8; 9-13; and 14-18

ENTRIES

We welcome all ideas including community events, inventions, mobile apps, videos, public messages, posters, websites, or anything else you can imagine

GRAND PRIZE

\$100,000 for winning team or \$25,000 max/person

Entry
Deadline
May 1, 2017

TEAM PRIZES FOR EACH AGE BRACKET

1st Place: \$5,000 or \$1,250 max/person

2nd Place: \$2,000 or \$500 max/person

3rd Place: \$1,000 or \$250 max/person

Plus additional cash awards for the other 91 finalists

visit <http://www.projectparadigm.org/challenge-rules> for official rules

Win
a trip to
Los Angeles,
California