

Welcome to Northeast Resource Recovery Association's

**Summer Webinar Series** 

#### Need Professional Credits?



- Receive 1 hour of professional development credit from NRRA for viewing this webinar.
- Webinars are recorded and made available for those who registered.
- Complete the survey at the end and connect with NRRA.
- Continue your learning with webinars all summer long!
- Visit our new website at: nrrarecycles.org



For Registration: nrrarecycles.org

Operator Track - Wednesdays 9:00 am - 10:00 am			
Date	Webinar	Presenters	
August 5 <i>,</i> 2020	II egislative l'Indates	Cathy Jamieson, VTDEC; Ariela Lovett, MA Mun. Assoc.	
August 12, 2020	Educate, Don't Contaminate! A Tooklit to Clean up Recycling	Lucy Perkins and Matt Grondin, ecomaine	
	Break		
August 26, 2020	Extended Producer Responsibility	Terri Goldberg, NEWMOA; Megan Pryor, MEDEP	
September 2, 2020	Hricks of the Irade	Joan Cudworth, Hollis; Ed Walsh, Rollinsford; Brian Patnoe, Littleton, NH	
•	MA Mattress Recycling Incentive Grant Program	Rachel Smith, MADEP	



For Registration: nrrarecycles.org

Educator/Community Track - Fridays 12:00 - 1:00 pm			
Date	Webinar	Presenters	
July 31, 2020	The Messy Truth about Garbage	Cindy Sterling, NRRA	
August 7, 2020	The 6th R: Cultivating a Culture of Repair	Ollie Cultrara and Cassandra Hemenway, ACSWMD	
August 14, 2020	Medical Waste: Needles, Pharmaceuticals, Vaping and More	Cindy Sterling, NRRA	
August 28, 2020	We Need to Think About Clothing Differently	Joe Whitten, Apparel Impact	
September 4, 2020	Cafeteria Sorting Stations	John Jose, CVSWMD	
September 11, 2020	Event Waste Reduction: Styling Your Event Recycling Plan	Cindy Sterling, NRRA	



## GoToWebinar Setting the Table

- You will not be able to be heard by the presenters or other participants on GTW.
- If you cannot hear the presenters, click on audio and computer audio. If that does not work, try clicking on phone call.
- We hope you ask questions and the presenters will answer them if time allows. Click on Questions and keep it short!





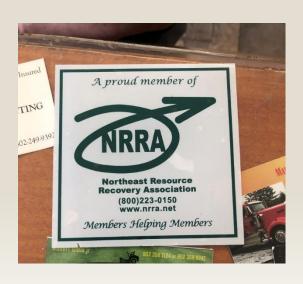
#### **About NRRA**

- Recycling nonprofit
- 400+ members, primarily municipalities
- Founded nearly 40 years ago





### Cooperative Marketing & Purchasing



- Enable communities to manage their own recycling programs
- 40 programs, including single stream and municipal solid waste
- Connect sellers of recyclables to purchasers



#### **Education & Technical Assistance**

- Workshops
- Facility tours
- Annual conference
- Technical assistance
- School Club programs







The webinar will begin soon!











- On average, students produce 1.5 pounds of waste every single day.
- A High School with 535 students = 72 TPY = 5.5 school buses or 9 elephants or 11 killer whales (on average).









# How many students are in your school?



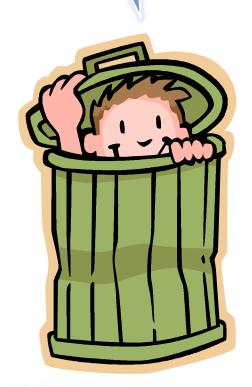


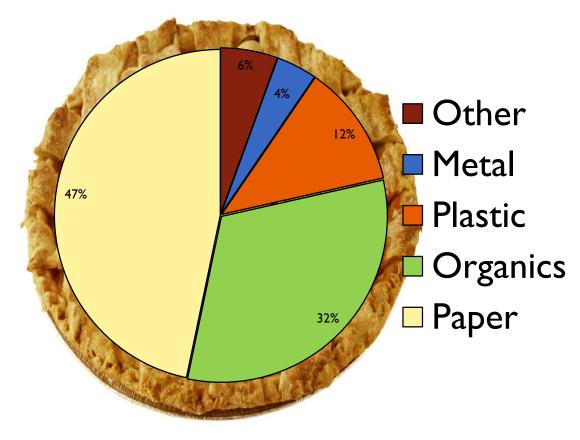






## A Pie of Student Waste





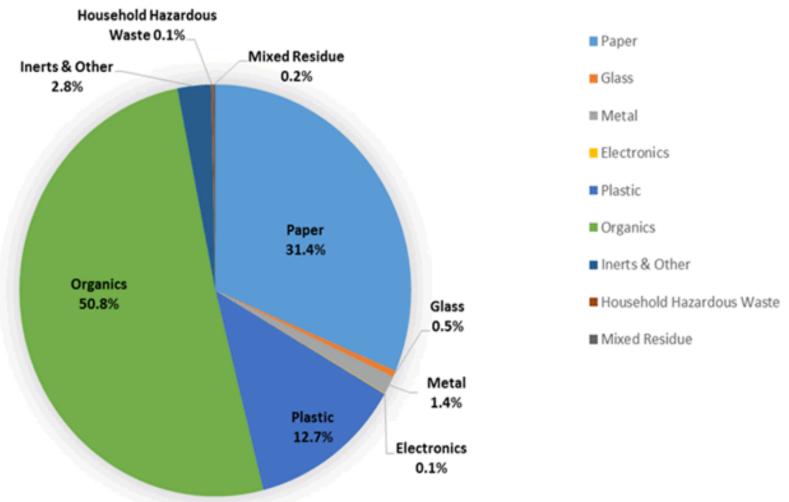
Source: Heather Greenwood, NRRA 2010







#### **Material Classes Disposed in the School Waste Stream**











What are the major ingredients in your school's pie of student waste?









## Where does your waste go?









## What about pay as you throw?

- Awareness
  - Responsibility
- Behavior Modification

= \$2.00

Photo by Impact Earth, Keene, NH

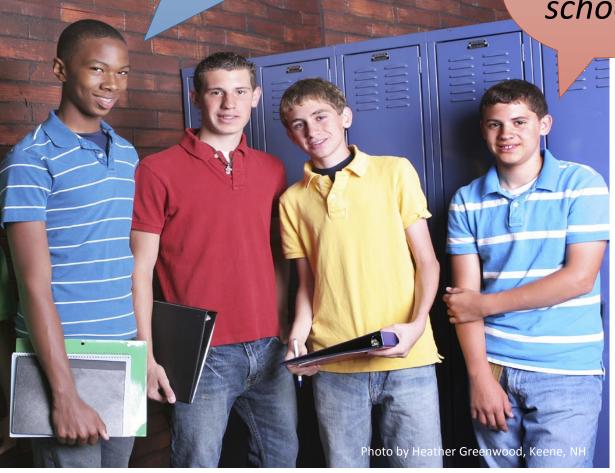






What does pay as you throw have to do with us?

Or our school?









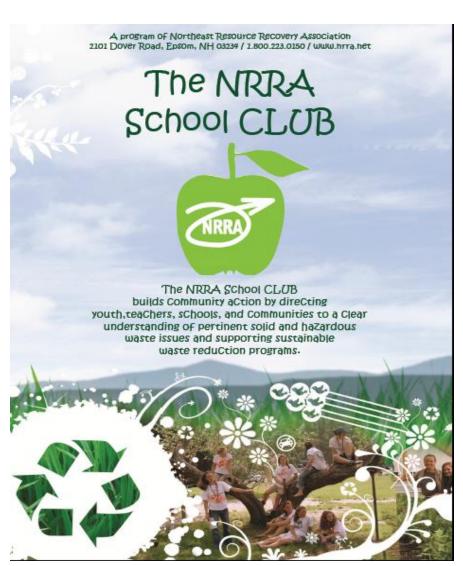
## theclub@nrrarecycles.org

School Workshops



School News You Can Use Newsletter





Technical Assistance



Annual School Conference











## Classroom Workshops

- Healthy Home, Clean Waters
- Waste = Global Climate Change
- Back to the Earth
- Garbage Guerrillas

## School Technical Assistance

- Green Cleaning & IAQ Evaluation & Review
- Trash on the Lawn Day (TOLD)
- Star Assessment

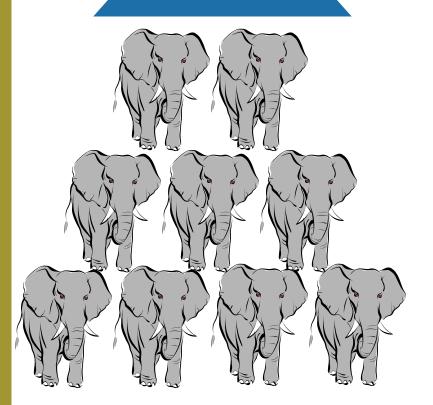




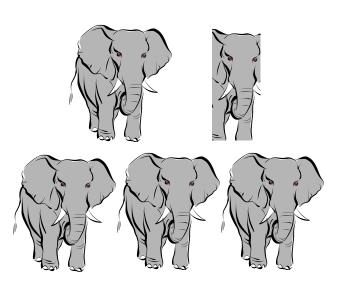


Wouldn't it be nice to reduce?

9 Elephants



4.2 Elephants

















Do you include integrated solid waste management as part of your school curriculum?











Evaluating the Sustainability of School Recycling Programs through the Five Categories of Sustainability.















## What is the purpose of the Star Assessment?

- 1. To take a look at what your school is currently doing with trash and recycling.
- 2. To measure the involvement of staff and students.
- 3. To make suggestions for improvement by reducing waste and increasing recycling.
- 4. To set goals for the future.
- 5. To instruct your students on the importance of recycling to environment stewardship.
- 6. To save money by reducing hauling costs.









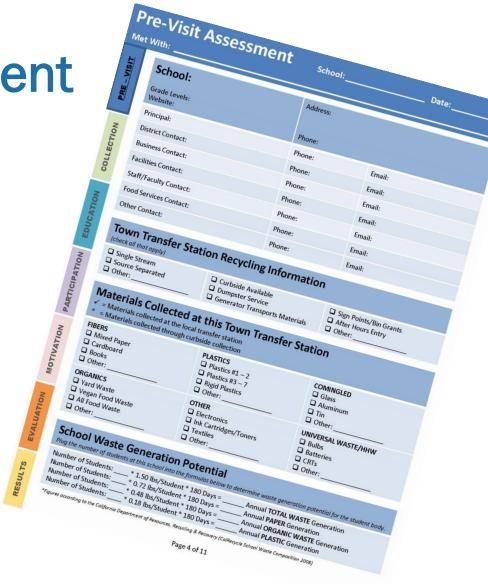
**Pre-Assessment** 

Identify key school staff & contact information.

Identify town stakeholders.

Identify what the town collects.

Calculate school waste potential.



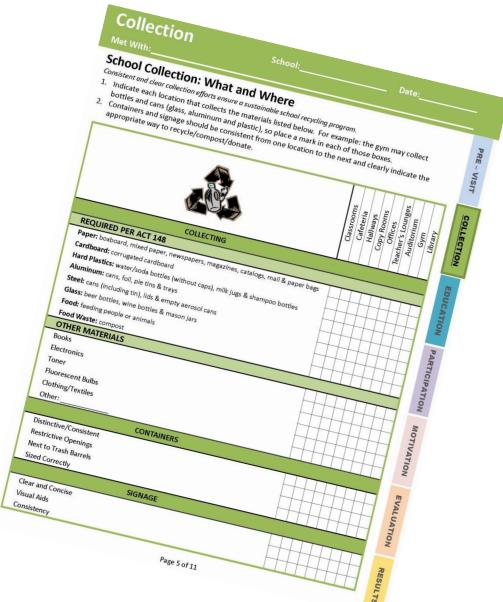






### Collection

WHO is collecting?
WHAT is collected?
WHEN is it collected?
WHERE is it
collected?
HOW is it collected?









## Collection Methods

Trash & recycling practices

Vendors & haulers

Containers used both inside and outside

Who helps and what role do they play?



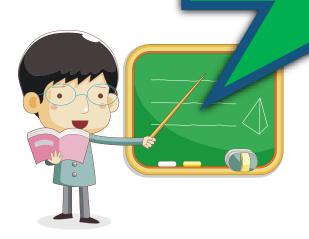






Education must be a major component in any approach that has as its aim the influencing of people to behave, intentionally and intelligently, in environmentally beneficial ways.

Raymond S. Nickerson, 2003





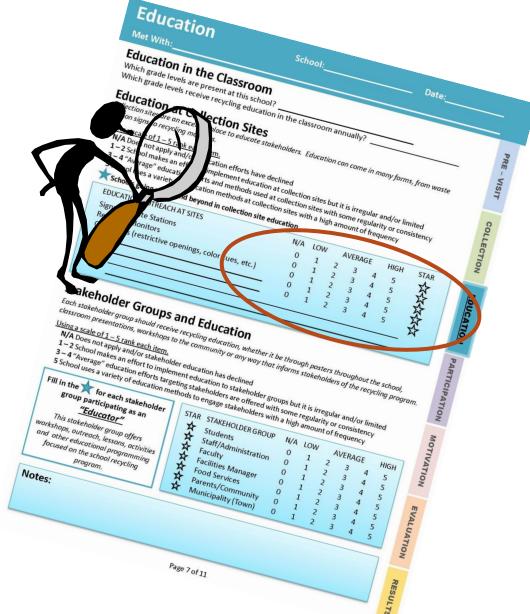




# Education in the Classroom

#### **Ideas**

- Posters
- Projects
- Lesson Plans
- Competitions
- Vermiculture

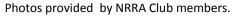




















**Education** at







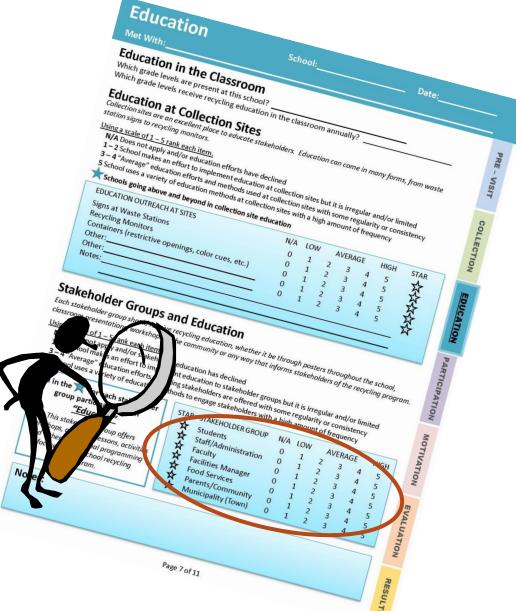


Photos provided by NRRA Club members.

# Education of Stakeholder Groups

#### **Ideas**

- Recycling Corner
- Workshops
- ProgressUpdates
- Letters Home
- ClassroomProjects
- Recycling Protocol Reminders









Anything else to add about education and collection? Do you have a story to share



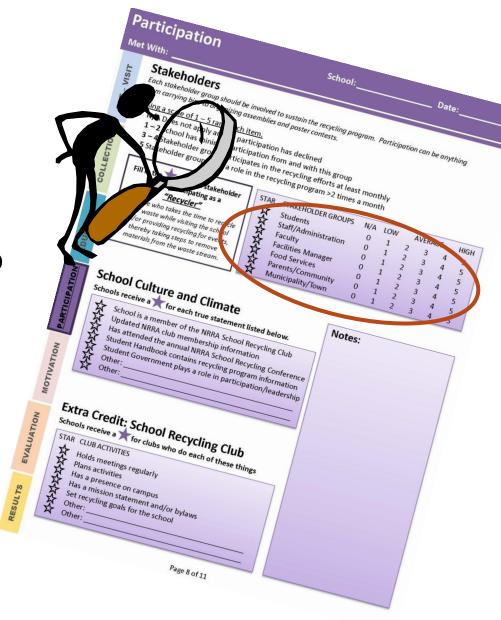






## **Participation**

Stakeholders
School Culture
School Recycling Club









# Participation: Stakeholders

## **Getting Involved**

- Empty Bins
- Sort Materials
- Plan Events
- Organize Fund Raisers
- Lead Workshops
- Advise the Club
- Write Articles
- Compete
- Recycle!





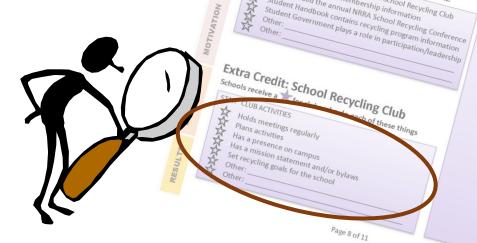




# Participation: Culture and Club Staketiviues Each stakeholder group should be involved to sustain the recycling program. Participation of an ananizing necessary in an ananizing ne

### **Steps**

- NRRA Club
- Network with Other Schools
- Update Student Handbook
- Student Government



Tasks

- Hold Regular Meetings
- Plan Activities
- Plan Celebrations
- Notes Evaluate Program
  - Stakeholder Outreach
  - Mission Statement
  - By-Laws
  - Goals







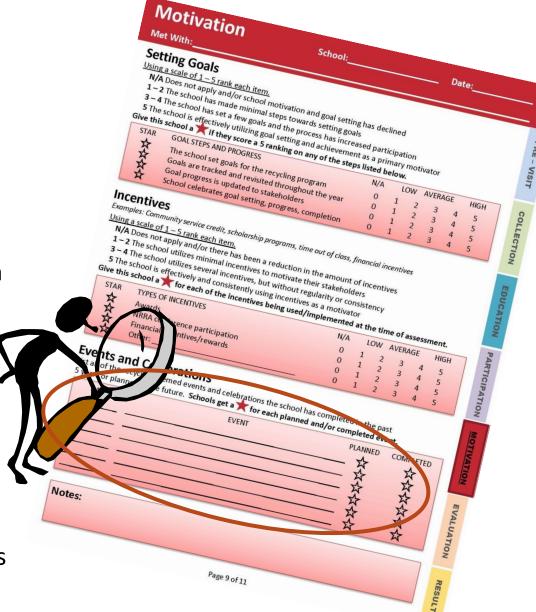
## **Motivation**

#### Goals

- Material Collection
- Participation Increase
- Educational Components
- Decreasing Waste Stream
- Eliminate Material

#### **Incentives**

- Profit Sharing
- Awards
- Scholarships
- Community Service Hours
- Conference Participation









## **Motivation**

Events and Celebrations
Goals and Competitions
Incentives

### **Ideas**

- Competitions
- Fund Raisers
- Assemblies
- Performances
- Celebrations/Parties
- Waste Audits



Photo provided by NRRA Club member.







# **Evaluation**

**Recycling Potential** Strengths and Weaknesses **Planning** 

#### What is Next?

Increase Club Membership

Additional IVIAL

Re-Organizing Cafeteria

Chatement

**Lesson Plans** 

Earth Day Celebration

Plan a Waste Audit



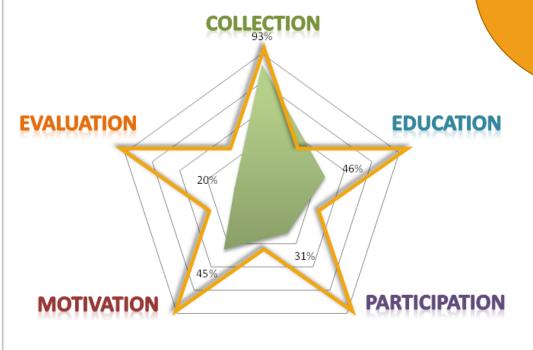






# Sustainability

It's easy as pie





Interconnectedness
Processes
Efficiency
Waste Value









#### Your Recycling Assessment Results

Thank you for letting us complete the Star of Sustainability Assessment. A graduate student created this assessment for her Resource Management and Conservation Master's Project to help identify the best way to start and maintain a school recycling program. It has proven to be very successful with rating the five categories of sustainability that schools should address to maximize a successful recycling program. These are: Collection, Education, Participation, Motivation and Evaluation.

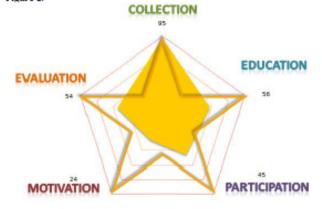
During your assessment, you were scored on these five "points." We have tabulated the results below, along with some suggestions on how to improve your program. Results are inherently subjective and scores should be used only as a baseline of current practices with an eye toward improvement where possible. Please note: that we have recently revamped the STAR Assessment so your results may vary from prior years based on the new values and calculations.

#### Your Results

Table 1.

	Points Scored	Points Available	Percentage
Collection	95	100	95%
Education	56	100	56%
Participation	45	100	45%
Motivation	24	100	24%
Evaluation	54	100	54%

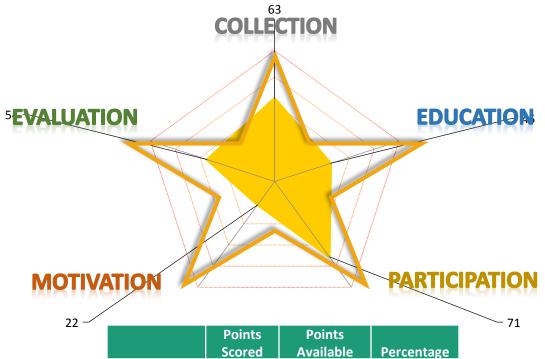
Figure 1.











	Points Scored	Points Available	Percentage
Collection	63	100	63%
Education	45	100	45%
Participation	71	100	71%
Motivation	22	100	22%
Evaluation	54	100	54%
		AVERAGE	51%

75-100	Super sustainable school! Keep it up!		
50-74	Good job, but there is still room to improve!		
25-49	School shows initiative but would benefit from greater stakeholder support.		
0-24	Limited sustainability in place. How can we help?		













































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## Thank You to our Sponsors



Please take the survey at the end of the webinar.

#### SUMMER WEBINAR SERIES- COMING NEXT



**Legislative Updates** 

Presenters: Cathy Jamieson, Solid Waste Program, VT Department of Environmental Conservation; Ariela Lovett, Legislative Analyst, MA Municipal Association

Wednesday, August 5 9:00-10:00 am





The 6th R: Cultivating a Culture of Repair

Presenters: Ollie Cultrara, Former ECO AmeriCorps Member, Addison County SWD Middlebury, Vermont; Cassandra Hemenway, Outreach Manager, Central VT Solid Waste District

Friday, Aug 7 12:00-1:00 pm



