

## List of Plastics Curriculum Materials:

From CLEAR: 7-12 outcome lists

<http://explorecuriosity.org/Portals/4/Images/article%20images/5934/Monitoring-Marine-Plastics-Curriculum-connection-NL.pdf>

Lists of outcomes for grades 7-12

Marine Debris Tracker APP

<http://marinedebris.engr.uga.edu/>

Tells how to use and get app and photos of plastics as well as schools participating

HOW TO GUIDES from CLEAR LAB

## “HOW TO” GUIDES

### 1. Spotters guide to plastic pollution

<http://explorecuriosity.org/Portals/4/Images/article%20images/5934/3-Spotters-Guide-to-Plastic-Pollution-trawls.pdf>

### 2. How to build the Ice Cream Scoop

<http://explorecuriosity.org/Portals/4/Images/article%20images/5934/5-Instruction-Manual-Scoop.pdf>

### 3. How to build Babylegs

<http://explorecuriosity.org/Portals/4/Images/article%20images/5934/6-BabyLegs-Guide.pdf>

### 4. How to remove samples from Babylegs trawl

<http://explorecuriosity.org/Portals/4/Images/article%20images/5934/8-DIY-lab-work-for-trawls.pdf>

### 5. How to sample for Plastics on Land

<http://explorecuriosity.org/Portals/4/Images/article%20images/5934/7-2-Land-survey-Guide-CS-for-schools.pdf>

Articles with many different references about plastics

<http://explorecuriosity.org/Explore/ArticleId/6730/we-use-a-lot-of-plastic.aspx>

Microplastics (embedded video)

<https://oceanservice.noaa.gov/facts/microplastics.html>

Plastics in bottled water

<https://www.cbc.ca/news/technology/marketplace-canadian-bottled-water-microplastics-1.4606182>

Plastics in Oceans National Geographic

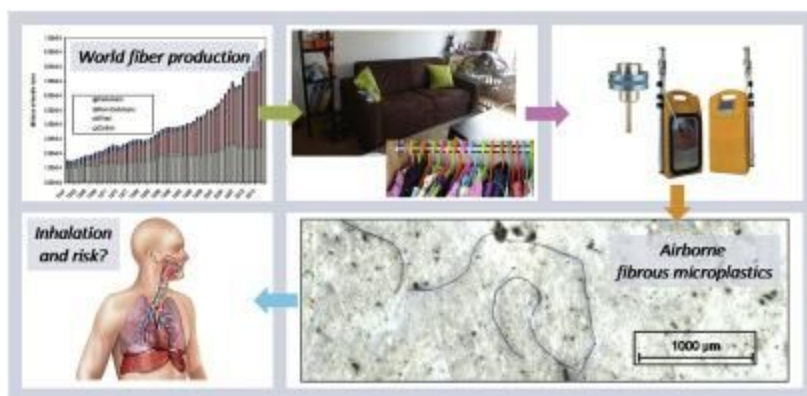
<https://news.nationalgeographic.com/news/2015/02/150212-ocean-debris-plastic-garbage-patches-science/>

Plastics in Oceans by 2050 with photos

[https://www.washingtonpost.com/news/morning-mix/wp/2016/01/20/by-2050-there-will-be-more-plastic-than-fish-in-the-worlds-oceans-study-says/?noredirect=on&utm\\_term=.474542f6ef49](https://www.washingtonpost.com/news/morning-mix/wp/2016/01/20/by-2050-there-will-be-more-plastic-than-fish-in-the-worlds-oceans-study-says/?noredirect=on&utm_term=.474542f6ef49)

Microplastics in the air (we are breathing them)

<https://www.sciencedirect.com/science/article/pii/S2468584417300119#!>



Plastics report from industry (see pages 10-16) for impacts

[http://www3.weforum.org/docs/WEF\\_The\\_New\\_Plastics\\_Economy.pdf](http://www3.weforum.org/docs/WEF_The_New_Plastics_Economy.pdf)

Plastic fibers found in tap water around the world (Guardian Report)

<https://www.theguardian.com/environment/2017/sep/06/plastic-fibres-found-tap-water-around-world-study-reveals>

Formosa Plastics article

<https://publicintegrity.org/environment/pollution/pushing-plastic/as-the-world-grapples-with-plastic-the-u-s-makes-more-of-it-a-lot-more>

Deep State article for Canada

<https://www.macleans.ca/opinion/is-there-a-deep-state-in-albertas-oil-industry/>

waste to Energy Peer reviewed abstract

<https://www.deepdyve.com/lp/elsevier/the-evolution-of-waste-to-energy-incineration-a-review-IOMAPrgXVI>

FRACKING Resources:

<https://www.psr.org/wp-content/uploads/2019/06/compendium-6.pdf>

NEW YORK STATE Physicians Social Responsibility

Fact Sheets from PSR site (excellent)

[https://www.psr.org/resources/?\\_sft\\_resource\\_category=environment-health](https://www.psr.org/resources/?_sft_resource_category=environment-health)

VIDEOS

A Plastic Ocean: Excellent 1 hour 42 minutes

Worksheet on TES site ( Password protected using last name)

Handouts:

List of plastics types and products and names

[https://www.bing.com/images/search?view=detailV2&id=A5E5404EF942B92CA0B030D FE47B26795CD854DB&thid=OIP.wdpFFI3bTxph9XGAR5Xz0AHaJ1&mediurl=http%3A%2F%2F3.bp.blogspot.com%2F-kf5FL\\_PYZkQ%2FVC5r3z2rKzI%2FAAAAAAAAA](https://www.bing.com/images/search?view=detailV2&id=A5E5404EF942B92CA0B030D FE47B26795CD854DB&thid=OIP.wdpFFI3bTxph9XGAR5Xz0AHaJ1&mediurl=http%3A%2F%2F3.bp.blogspot.com%2F-kf5FL_PYZkQ%2FVC5r3z2rKzI%2FAAAAAAAAA)

[AKk%2FEEbmxFGIU8%2Fs1600%2FUntitled.png&exph=776&expw=584&q=what+types+of+plastics+are+there&selectedindex=23&ajaxhist=0&vt=0&eim=1&ccid=wdpFI3b&simid=608039000131829842](https://www.bing.com/images/search?view=detailV2&id=7CF467DB0E4A1C73645683B080F684D1D18A9C0A&thid=OIP.HDOEX1_5i5JAxK8myk53-gHaFj&exph=480&expw=640&q=what+types+of+plastics+are+there&selectedindex=23&ajaxhist=0&vt=0&eim=1&ccid=wdpFI3b&simid=608039000131829842)

[https://www.bing.com/images/search?view=detailV2&id=7CF467DB0E4A1C73645683B080F684D1D18A9C0A&thid=OIP.HDOEX1\\_5i5JAxK8myk53-gHaFj&exph=480&expw=640&q=what+types+of+plastics+are+there&selectedindex=19&ajaxhist=0&vt=0&eim=1&ccid=zmQMZi2B&simid=608015704234789574&mediaurl=https%3A%2F%2Fs-media-cache-ak0.pinimg.com%2F736x%2F2b%2F71%2F3f%2F2b713fc3e0831f65dea6e3083068ab49.jpg](https://www.bing.com/images/search?view=detailV2&id=7CF467DB0E4A1C73645683B080F684D1D18A9C0A&thid=OIP.HDOEX1_5i5JAxK8myk53-gHaFj&exph=480&expw=640&q=what+types+of+plastics+are+there&selectedindex=19&ajaxhist=0&vt=0&eim=1&ccid=zmQMZi2B&simid=608015704234789574&mediaurl=https%3A%2F%2Fs-media-cache-ak0.pinimg.com%2F736x%2F2b%2F71%2F3f%2F2b713fc3e0831f65dea6e3083068ab49.jpg)

### **Earthday Network**

Percentage of single use plastics

<https://www.earthday.org/2018/03/29/fact-sheet-single-use-plastics/>  
PLASTIC POLLUTION PRIMER AND TOOLKIT (53 pages) download

<https://160g7a3snajg2i1r662yjd5r-wpengine.netdna-ssl.com/wp-content/uploads/Plastic-Pollution-Primer-and-Action-Toolkit.pdf>

Page 24 has a how to calculate your plastic consumption

Action Toolkit for Community event on plastics (14 pages)

<https://160g7a3snajg2i1r662yjd5r-wpengine.netdna-ssl.com/wp-content/uploads/Earth-Day-Action-Toolkit-2018.pdf>

Organizing a Campus Teach-in (12 pages)

<https://160g7a3snajg2i1r662yjd5r-wpengine.netdna-ssl.com/wp-content/uploads/MobilizeU-Campus-Teach-In-Toolkit-2.pdf>

<http://oceancrusaders.org/plastic-crusades/plastic-statistics/>  
excellent chart of all the wastes one person makes in a year!

Microplastics chart

<https://www.bing.com/images/search?q=microplastic+pollution+data&id=DDBB0FE9F63A69424371FE3FBB7D866310D043E9&s=1&view=detailv2&rtpu=%2fsearch%3fq%3dmicroplastic+pollution+data&form=IEQNAl&selectedindex=0&exph=0&expw=0&vt=0&eim=1>

Microplastics report

<https://www.cnn.com/2018/04/22/health/microplastics-land-and-air-pollution-intl/index.html>

Microplastics in our oceans waterways

<https://owi.usgs.gov/vizlab/microplastics/>

Alternatives to plastics chart

<https://www.bing.com/images/search?view=detailV2&id=9D41DDB9AF7DB94D2AD279671E70DF975137F73A&thid=OIP.Wlg-A6viFRd312019ZAJdwHaEb&mediaurl=http%3A%2F%2Fwww.thebigdropcollective.com%2Fuploads%2F1%2F0%2F6%2F6%2F106691181%2Fpublished%2Fa-z-alternatives-green-washing.jpeg%3F1499493083&exph=540&expw=902&q=alternatives+to+plastics&selectedindex=33&ajaxhist=0&vt=0&eim=1>