

# Re-Imagining Industrial Systems

## HIGH SCHOOL

### Resources for Additional Research

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#### **World Health Organization (WHO)**

- Find information on **global health topics** (air pollution, water pollution, toxic chemicals, etc.)
  - **Search for global news** on different health topics around the world.
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#### **U.S Organizations**

- **U.S. Department of Labor - Occupational Health and Safety Division**
  - **Centers for Disease Control and Prevention (CDC)**: Learn about many workplace safety issues.
  - **Energy Information Association** - Find energy production and consumption data for **U.S. states** and **nations around the world.**
  - **U.S Environmental Protection Agency (EPA)**: Learn about **Sustainable Materials Management (SMM), brownfield cleanups,** and **many other topics.**
  - **U.S. Department of Agriculture - Food loss and waste in supply chains during the pandemic.**
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## **United Nations: Sustainable Development Goals**

The 17 **“Sustainable Development Goals” (SDGs)** are a blueprint to help create a better planet now and in the future. They were adopted in 2015 by UN member countries.

- **Explore the 17 goals.** Take a look at the “Goal Targets” section and current progress.
  - Which goals relate to your topic and global challenge? How can re-imagining an industrial system help achieve the goals?
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## **UN Environment**

Learn about global waste management, air and water pollution, energy, and more with news stories and reports.

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## **Food and Agriculture Organization**

Learn about food systems, supply chains, food waste and loss, and how COVID-19 is impacting these systems.

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## **The World Bank**

Learn more about many industrial systems and issues: raw material extraction, energy, transport, supply chains, food systems, poverty, and more.

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# News Sites, Articles, & Stories

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## **Procurement of Raw Materials**

- Time Magazine infographic - [How blood diamonds arrive in the U.S.](#)
  - The Guardian - [The race for cobalt risks turning it from miracle metal to deadly chemical](#)
  - Human Rights Watch - [German economic ministry blocks effective supply chain law](#)
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## **Waste Management**

- The Philadelphia Inquirer - [Coronavirus has Philly falling way behind on trash pick-up, but it's not the only city.](#)
  - Hawaii Public Radio - [Oahu grapples with where to place its next landfill as it confronts waste dilemma](#)
  - BBC - [How do you fix healthcare's medical waste problem?](#)
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## **CAFOs/Brownfields**

- Civil Eats - [Inside the Rural Resistance to CAFOs](#)
  - Argus Leader - [Human health, environmental and antibiotic concerns follow CAFO development](#)
  - Visit your state's department of environmental protection website for more information on brownfields.
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## Energy Production

- The New York Times - [Is this the end of oil and gas pipelines?](#)
  - Intergovernmental Panel on Climate Change (IPCC) - [Energy is at the heart of the solution to climate change](#)
  - Yale Climate Connections - [news and stories on energy](#)
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## Production/Distribution of Goods

- International Monetary Fund (IMF) - [Why sustainable food systems are needed in a post COVID world](#)
  - Fortune - [COVID-19 and climate change expose the dangers of unstable supply chains](#)
  - Carbon Brief - [Mapped: The world's largest CO2 importers and exporters](#)
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## Occupational Health and Safety

- Los Angeles Times - [The sweatshops are still open. Now they make masks.](#)
  - Union of Concerned Scientists - [Pesticides, heat, and the people who feed us: Climate change is making farmworkers' dangerous job even worse.](#)
  - Canadian Occupational Safety - [E-waste recycling workers exposed to FR chemicals: Study](#)
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