



CTE & Sustainability Education

Office of Postsecondary Readiness
May 2015

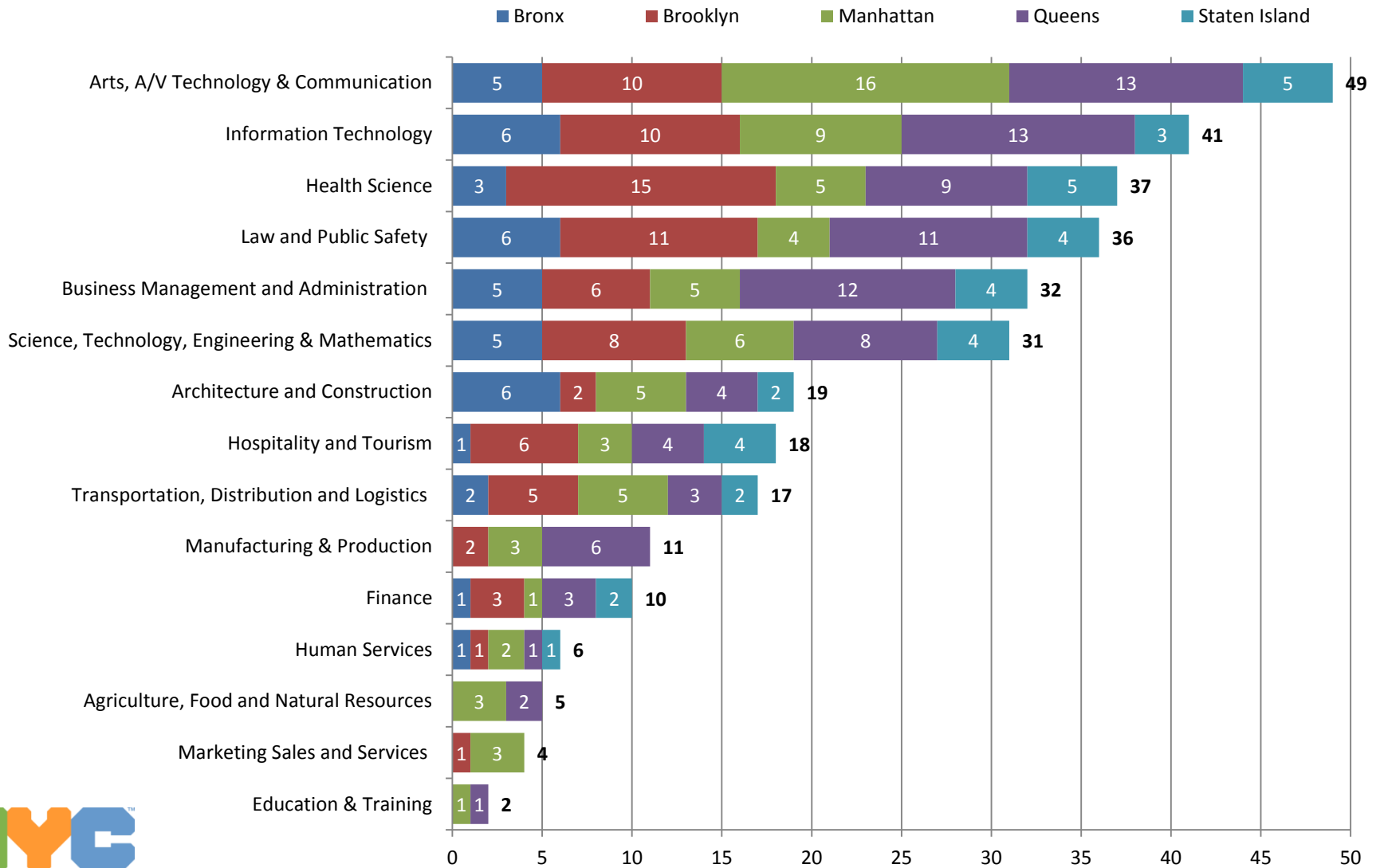
New York City has the largest system of public schools in the United States

- 1.1 million students served
 - Of these students, **117,000** students are served in CTE programs. Of the 117,000 students, **26,000** are served in CTE schools

- 1,800+ schools City
 - 400+ high schools
 - Of the 400+, **135** high school schools offer CTE
 - Of the 135 high schools, **51** are designated CTE schools

- New CTE schools in September 2014
 - Benjamin Franklin High School of Finance and Information Technology
 - Business Technology Early College High School (BTECH: 9-14 School)
 - Inwood Early College for Health Information Technologies (INTECH: 9-14 School)
 - Manhattan Early College School for Advertising (MECA: 9-14 School)
 - Urban Assembly School for Collaborative Healthcare
 - Urban Assembly Maker Academy

Number of CTE Programs by Industry, across Borough



Background on Sustainability

- Used to be called environmental...then "green"
- Scientists, Technicians, and Engineers have been working with CTE schools to integrate these concepts
- Industry partners offering internships and employment opportunities

From **MDGs** → **SDGs**

The infographic displays eight Millennium Development Goals (MDGs) arranged in two rows. Each goal is represented by a colored square containing an icon, a number, and a text description. The background features a light blue pattern of overlapping circles.

- 1** ERADICATE EXTREME POVERTY AND HUNGER (Yellow square, icon of a steaming bowl)
- 2** ACHIEVE UNIVERSAL PRIMARY EDUCATION (Light green square, icon of a pencil)
- 3** PROMOTE GENDER EQUALITY AND EMPOWER WOMEN (Purple square, icon of female and male symbols)
- 4** REDUCE CHILD MORTALITY (Light blue square, icon of a child)
- 5** IMPROVE MATERNAL HEALTH (Pink square, icon of a pregnant woman)
- 6** COMBAT HIV/AIDS, MALARIA AND OTHER DISEASES (Red square, icon of a medicine bottle with a cross)
- 7** ENSURE ENVIRONMENTAL SUSTAINABILITY (Green square, icon of a flower)
- 8** A GLOBAL PARTNERSHIP FOR DEVELOPMENT (Blue square, icon of a group of people)

MILLENNIUM DEVELOPMENT GOALS

From MDGs → SDGs

GOAL 1 END POVERTY

GOAL 2 END HUNGER

GOAL 3 WELL-BEING

GOAL 4 QUALITY EDUCATION

GOAL 5 GENDER EQUALITY

GOAL 6 WATER AND SANITATION FOR ALL

GOAL 7 AFFORDABLE AND SUSTAINABLE ENERGY

GOAL 8 DECENT WORK FOR ALL

GOAL 9 TECHNOLOGY TO BENEFIT ALL

GOAL 10 REDUCE INEQUALITY

GOAL 11 SAFE CITIES AND COMMUNITIES

GOAL 12 RESPONSIBLE CONSUMPTION BY ALL

GOAL 13 STOP CLIMATE CHANGE

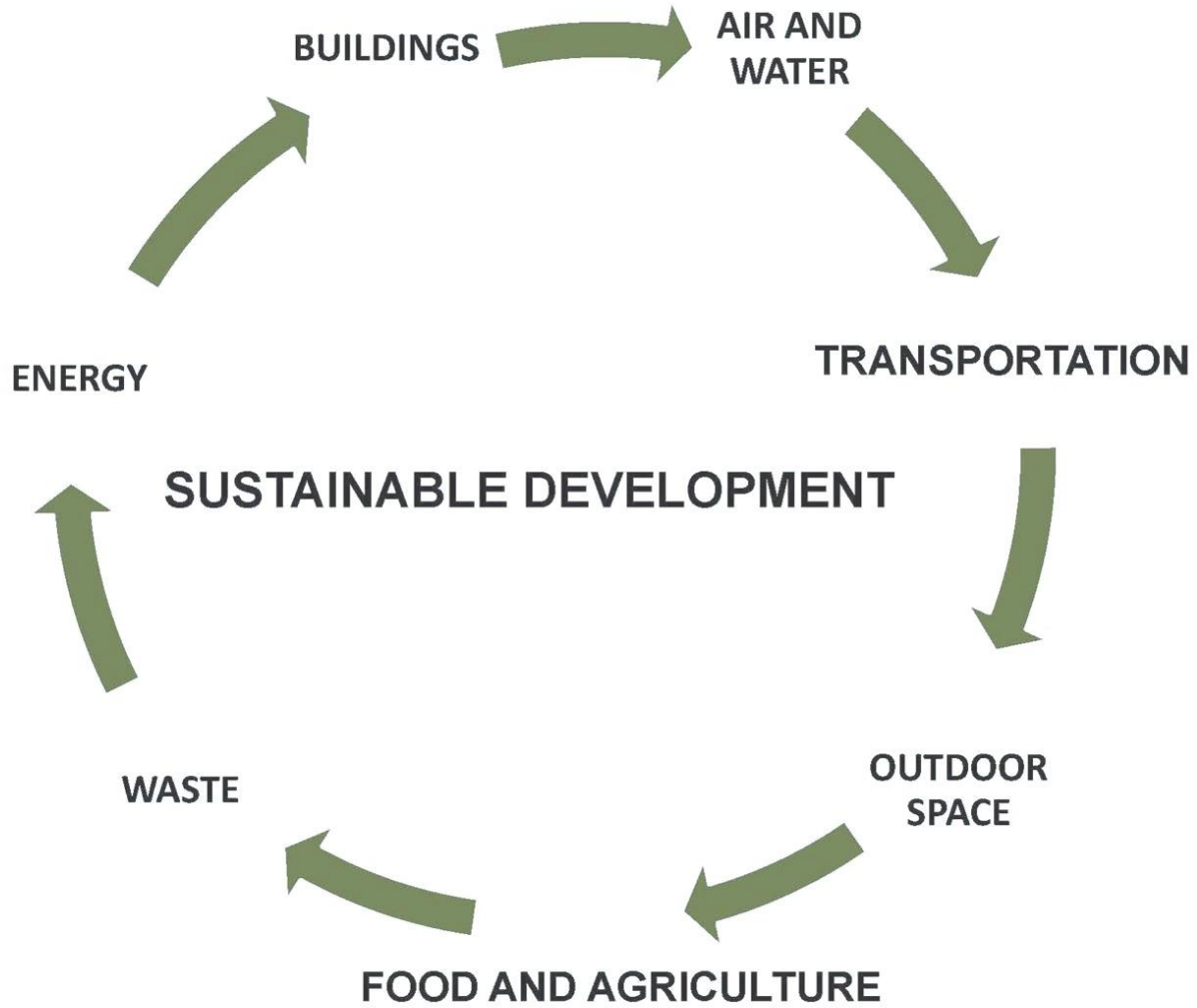
GOAL 14 PROTECT THE OCEAN

GOAL 15 TAKE CARE OF THE EARTH

GOAL 16 LIVE IN PEACE

GOAL 17 MECHANISMS AND PARTNERSHIPS TO REACH THE GOALS





Sustainability Education in CTE

- Knowledge bases and skill sets of various industries
- Shared Curricula
- Access to Certifications
- Additional Industry Engagement
- Holistic model across content areas and grade levels

Partners in Sustainability

- Cloud Institute
- Envirolution
- Rubicon Atlas
- Columbia University: The Earth Institute
- United Federation of Teachers