

Cancer Education Project Abstracts



Your World: Fighting Cancer with Biotechnology

This series of 6 activities is designed to accompany *Your World: Fighting Cancer with Biotechnology* magazine.

- **Part 1: A Life Threatening Disease**

Students are introduced to Anna, a young woman with cancer. Students develop questions about cancer, research the answers to these questions, and then play the role of “Anna” as she answers her friends’ questions.

- **Part 2: The Making of Cancer and A Cancer Turns Deadly**

Students explore the many types of genes that may be involved in cancer. Student teams create a poster to explain the role of one of these genes. Student teams explain their poster to the class.

- **Part 3: Designing Drugs to Defeat Cancer**

Students apply their understanding of the genes involved in cancer by explaining different ways that chemotherapy drugs could stop cancer growth.

- **Part 4: Reducing Cancer Risks**

Students create a poster campaign to encourage community members to reduce their cancer risks.

- **Part 5: Cancer and Heredity - Colon Cancer’s Jump Start**

Students read and answer questions to explore the relationship among cancer, heredity, and age.

- **Part 6: Cancer Drugs - Leukemia and a Magic Bullet**

Students read and answer questions about leukemia treatments and the rational drug design process.

- **Part 7: Detecting Cancer Risk Factors**

Students read and answer questions about genetic testing and the ethical issues that result from these tests.