

Cancer Biology Kit - Introduction to Cancer

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This section contains all curriculum documents for activities relating to defining cancer, its characteristics, genetic causes of cancer, and cell cycle regulation

A. Cancer Overview Slide Decks

What is Cancer? PowerPoint

Breast Cancer Overview PowerPoint

Cancer Biology Therapies 042820.pptx

B. Howard Hughes Medical Inst Cancer Activities

Introduction to causes of cancer (tumor suppressor genes, oncogenes) video and activities - gene cards, patient cards, posters etc. Video clip link is found at the beginning of the 'Activity1 and2-Overview-Teacher' document.

Activity1 and2-Overview-Teacher.pdf

Activity1-Cancer-Gene-Cards.pdf

Activity1-Classifying-Genes-Poster.pdf

Activity1-Classifying-Genes-Student.pdf

Activity1-Classifying-Genes-Teacher.pdf

Activity1-Functions-Genes-Poster.pdf

Activity1-Human-Chromosomes-Poster.pdf

Activity1-Human-Chromosomes-Sheets.pdf

Activity2-Cancer-Patient-Cards.pdf

Activity2-Cancer-Patients-Student.pdf

Activity2-Cancer-Patients-Teacher.pdf

HHMI lesson Student Worksheets developed by SBE staff and participating teachers

Activity 1 - Classifying Cancer Genes worksheet

Activity 2 - Examining Cancer Patient Data worksheet

Examining Patient Data Worksheet - Extended Version

HHMI Activity 2 Cancer Patient Cards Extension

Looking for Patterns in Various types of Cancers

Cancer as a Genetic Disease video clip discussion questions

D. Cell Cycle Resources

Cell Cycle Control Game Worksheet

Cell Cycle Diagram filled in

Cell cycle diagram

Please be advised that the teacher key on the last page of the cancer check points curriculum document (below) has errors. The genes listed as proto-oncogenes are tumor suppressor genes and vice versa.

cancer check points curriculum

E. Other Worksheets and Curriculum

Cancer Biology Icebreaker Activity Handout

Instructions for Cancer Biology Icebreaker Activity

Cancer Biology Kit Experiment and Patient Summary

Breast Cancer Final Explanation Rubric.

Breast Cancer Final Explanation Sentence Frames Worksheet

Breast Cancer Final Model Worksheet