(MUSIC)

JOAN CARTAN-HANSEN, HOST: NUCLEAR TECHNOLOGY GETS USED IN LOTS OF DIFFERENT WAYS.

SMOKE DETECTORS WORK BY USING A SMALL AMOUNT OF RADIOACTIVE MATERIAL TO IDENTIFY SMOKE PARTICLES.

SOME FOODS ARE IRRADIATED TO KEEP THEM FROM SPOILING.

SOME BUILDERS USE NEUTRON BEAMS TO LOOK INSIDE METAL STRUCTURES.

DOCTORS USE RADIOACTIVE MATERIAL TO DIAGNOSE DISEASES AND TO KILL CANCER CELLS.

GAMMA RADIATION IS USED TO STERILIZE MEDICAL PRODUCTS THAT WOULD BE DAMAGED BY HEAT STERILIZATION.

SCIENTISTS USE NATURALLY OCCURING RADIOACTIVE MATERIAL TO CARBON DATE OR TO FIND THE AGE OF AN ANCIENT DISCOVERIES.

EVEN SPACE CRAFTS USE RADIOACTIVE MATERIAL IN SCIENTIFIC DEVICES AND FOR ELECTRICITY AND HEAT.

FOR MORE INFORMATION ABOUT NUCLEAR ENERGY, CHECK OUT THE SCIENCE TREK WEBSITE FOR THIS AND ALL OUR SCIENCE TOPICS FOR KIDS.

YOU’LL FIND IT AT IDAHOPTV.ORG/SCIENCE TREK

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