KIT INFORMATION:

Museum will mail your team:

- 1 Mat
- 1 Mousetrap
- 1 Bowling pin
- 1 Pencil
- 1 Cardboard box
- 1 Condiment cup with aquarium rocks
- 1 Toy boat
- 1 Fidget spinner
- 1 Barrel with radioactive sticker
- 1 Jenga block spray painted silver
- Water and heavy water molecule pieces
- 1 Doomsday sticker
- 1 PVC pipe
- 1 craft stick

The following items can be found on the Museum's website, under "Team Assets":

- Kit information packet that includes:
 - Assembly instructions and mat set up (below)
 - Einstein's letter (below)
 - Russian decoder (below)
- Participant packet
- Access to the Manhattan Project Electronic Field Trip

ASSEMBLY INSTRUCTIONS:

- Find a piece of paper and crumple it into a ball
- Fold the cardboard box
- Print out the Russian Decoder
- Print the Einstein letter and KGB folder on cardstock. Cut and fold in half so they can stand up.
- Print Russian De-coder key.
- Cut out the "Russian" code and glue or tape it to the inside of the KGB folder.
- Assemble the water molecule
- Put the radioactive sticker on the barrel of slime
- Place the doomsday sticker on top of the PVC pipe. Glue down if needed.

MAT SET UP:

- Place the KGB folder on smaller Berkeley, California icon.
- Place the boat on the X in the Atlantic Ocean.
- Place the water molecule on Sylacauga, Alabama. Orient the molecule so that the green oxygen molecule sits in the red dot and the two hydrogen legs face towards the bottom of the mat.
- Place the plutonium brick (Jenga block) on Hanford, Washington so that it is centered on the red dot and parallel with the bottom of the mat, hot dog style.
- Place the mouse trap along the north-east border of New Mexico so the trigger is facing North. Stick the craft stick in the trap for safety.
- Place the cardboard box along the northern border of Illinois.
- Place the barrel of radioactive waste on St Louis.
- Place the Doomsday Clock in the center of the Manhattan Project symbol.
- All other materials are to be placed in your preparation area.

EINSTEIN'S LETTER:

Albert Einstein Old Grove Rd. Massau Point Peconic, Long Islam

F.D. Roosevelt, President of the United States, White House Washington, D.C.

Sir

Some recent work by E.Fermi and L. Szilard, which has been comministed to me in munuscript, leads me to expect that the element uranium may be turned into a new and important source of energy in the immediate future. Ortain sepects of the situation which has arisen seem to call for watchfulness and, if necessary, quick action on the part of the Administration. I believe therefore that it is my duty to bring to your attention the following facts and recommendations.

In the course of the last four months it has been made probable through the work of Joliot in France as well as Fermi and Szilard in
America - that it may become possible to set up a nuclear chain reaction
in a large mass of uranium, by which wast amounts of power and large quantities of new radium-like elements would be generated. Now it appears
almost certain that this could be achieved in the immediate vuture.

This new phenomenon would also lead to the construction of bombs, and it is conceivable - though much less certain - that extremely powerful bombs of a new type may thus be constructed. A single bomb of this type, carried by beat and exploded in a port, might very well destroy the whole port together with some of the surrounding territory. However, such bombs might very well prove to be too heavy for transportation by sir.

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The United States has only very poor ores of uranium in moderate ...

quantities. There is some good ore in Canada and the former Csechoslovakia,
while the most important source of uranium is Belgian Congo.

In view of this situation you may think it desirable to have some permanent contact maintained between the Administration and the group of physicists working on chain reactions in America. One possible way of achieving this might be for you to entrust with this task a person who has your confidence and who could perhaps serve in an inofficial capacity. His task might comprise the following:

a) to approach Government Departments, keep them informed of the further development, and put forward recommendations for Government action, giving particular attention to the problem of securing a supply of urantum or for the Division Security.

b) to speed up the experimental work, which is at present being carried on within the limite of the budgets of University laboratories, by provinian funds, if such funds be required, through his contacts with private persons who are willing to make contributions for this cause, and perhaps also by obtaining the co-operation of industrial laboratories which have the necessary surjument.

I understand that Germany has actually stooped the sale of uranium from the Czechoslovakian mines which she has taken over. That she should have taken such early action might perhaps be understood on the ground that the son of the German Under-Secretary of State, von Weissicker, is attached to the Zaiser-Wilhelm-Institut in Berlin where some of the American work on uranium is one heir researched.

Yours very truly.

#. binstiin
(Albert Einstein)

KGB FOLDER:

ФАТ МАН РЭДИ





RUSSIAN DE-CODER

Use the sounds highlighted in red

CHARACTER	SOUND
Α	ask
Б	bat
В	van
Г	go
Д	dog
E	yet
Ë	yonder
ж	measure
3	Z 00
И	see
Й	toy
K	cat
Л	<mark>l</mark> ight
М	mat
Э	pet

CHARACTER	SOUND
П	pot
Р	run
С	sam
Т	tap
У	boot
Ф	fat
Я	yum
ц	bits
Ч	chip
Ш	ship
0	bore or under
Н	no
Ы	ill
Ю	universe