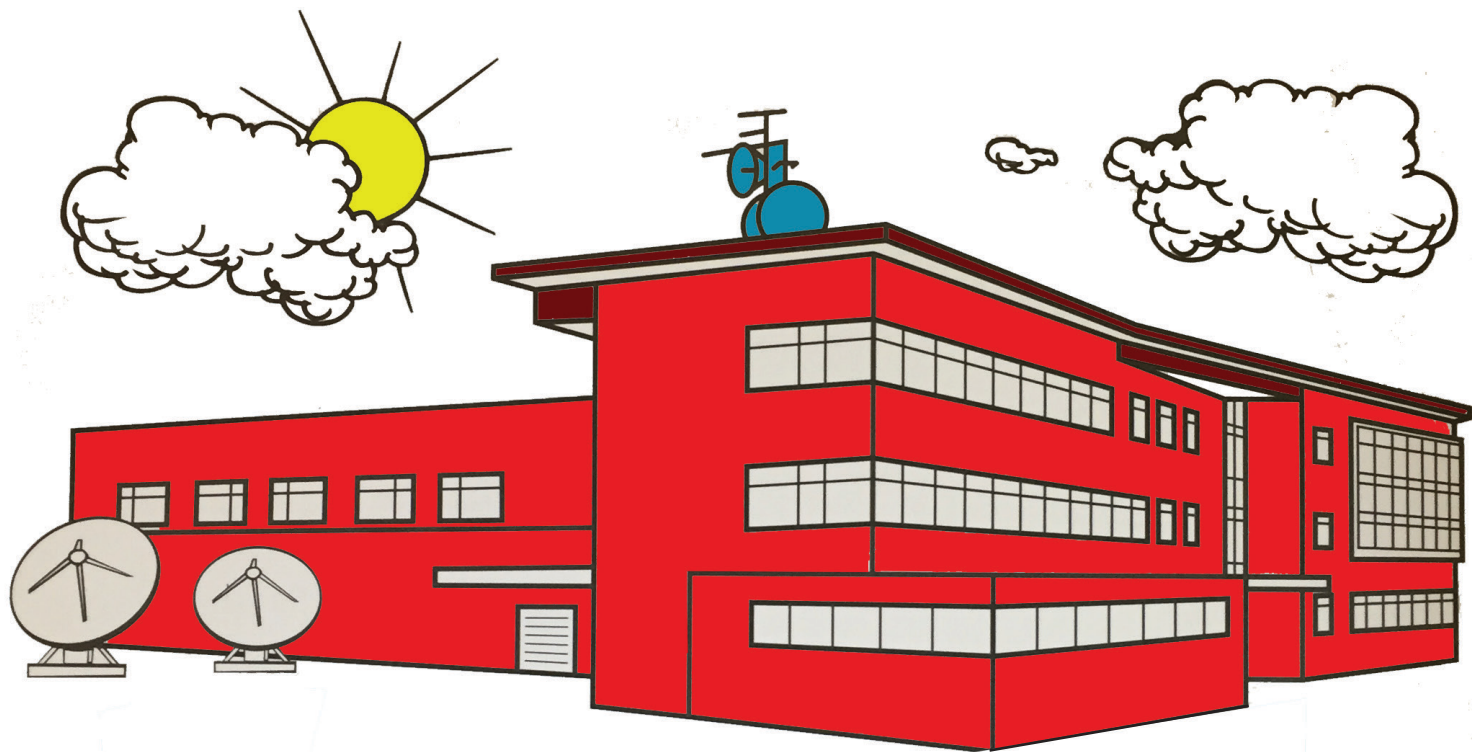




A Visit to a Public Television and Radio Station



wpsu



wpsu.org

pbskids.org

100 Innovation Boulevard, University Park, PA 16802





WPSU Penn State is a television and radio station located
in State College, Centre County, Pennsylvania.

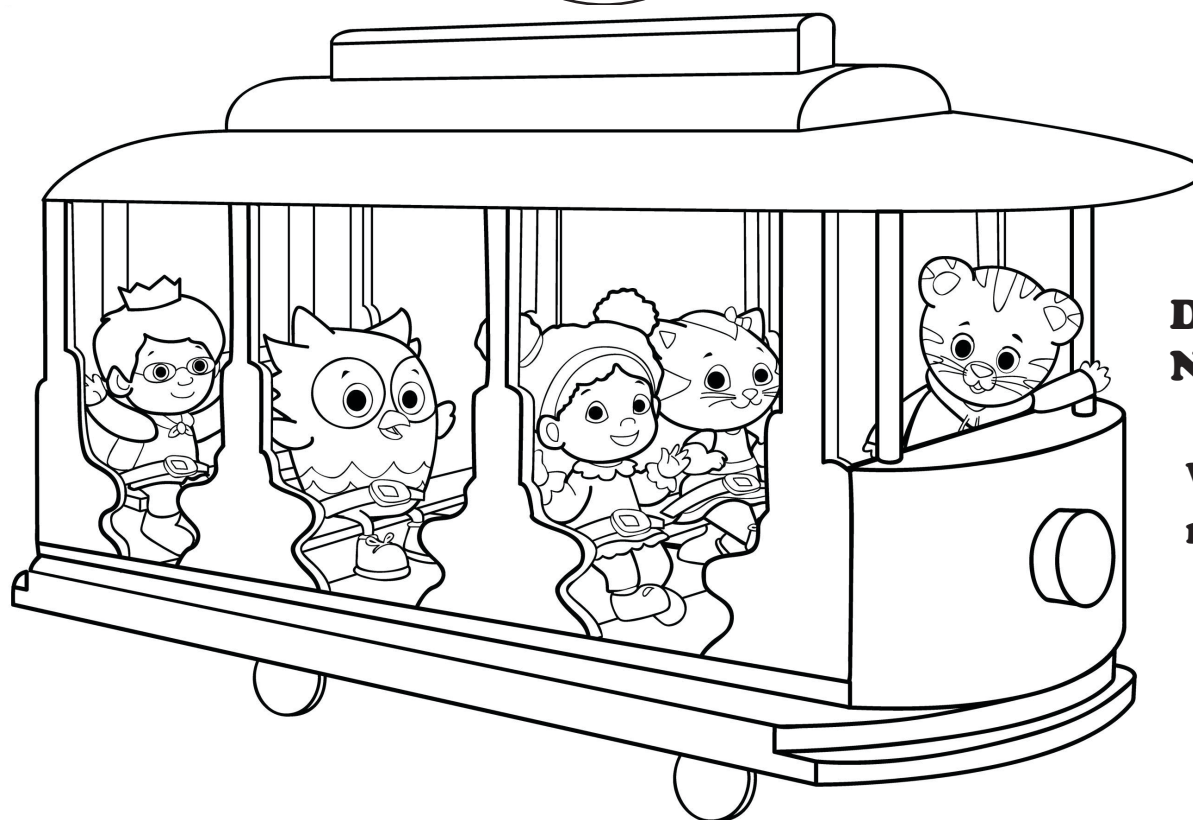
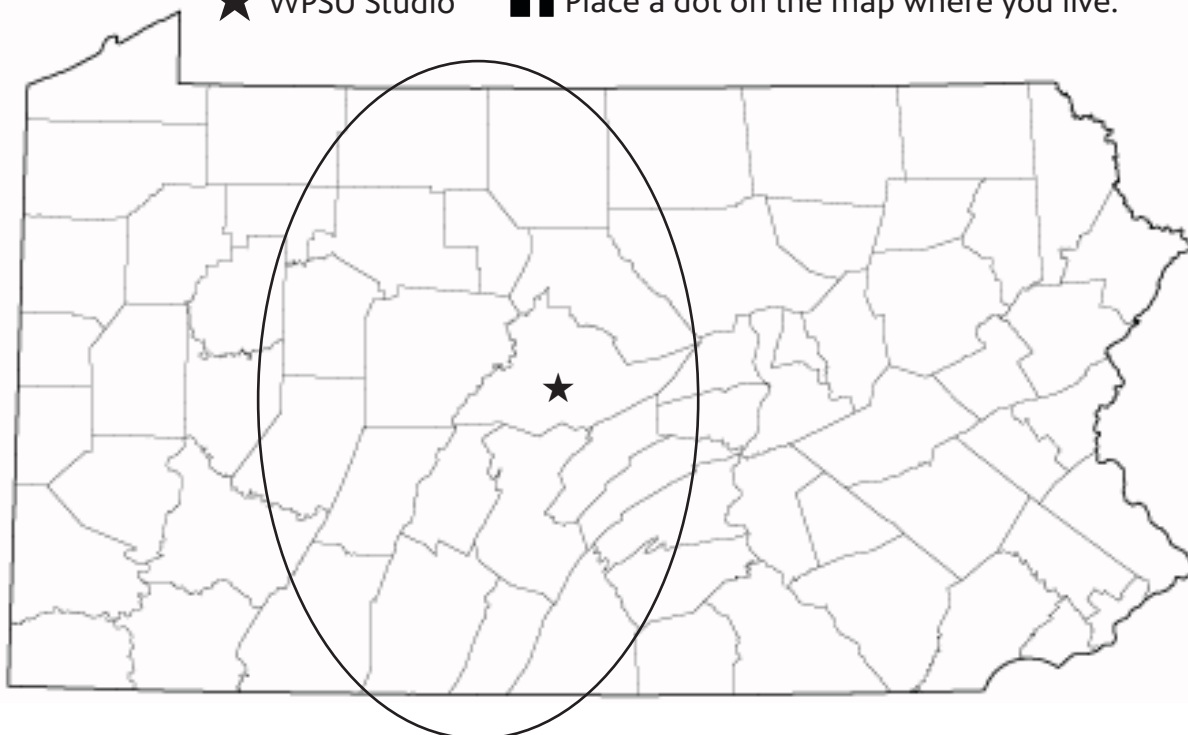
WPSU-TV's signal reaches 24 counties and WPSU-FM's signal
is delivered to 13 counties in Pennsylvania.



WPSU Studio



Place a dot on the map where you live.



**Daniel Tiger's
Neighborhood**

**Welcome,
neighbor!**



WPSU provides TV, radio, and online educational programs for your family, friends, and neighbors. WPSU is part of a national family of 330 PBS public television stations and more than 1,000 NPR public radio stations.

What are your favorite shows on WPSU-TV?



Donkey
Hodie



Alma's
Way™

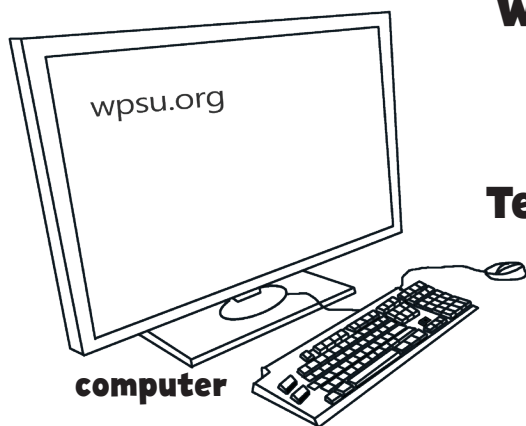


There are many kinds of jobs at WPSU. Can you match the equipment to the job titles?

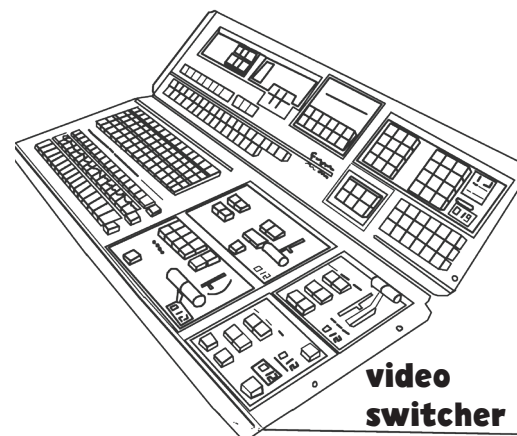
Website Designer

Radio Host

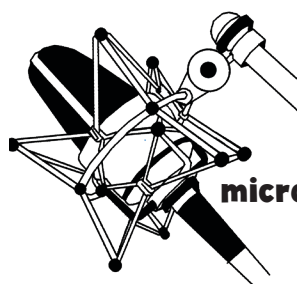
Technical Director



computer



**video
switcher**



microphone



Television productions are coordinated in the TV Control room.
The Director talks with the Camera Operators and
Floor Manager through a headset.



In another room the
Audio Operator
monitors the sound that
accompanies the video.

Some jobs in the Control Room:

The Producer manages the crew and the on-air talent and makes sure every shot looks good.

The Associate Producer times the show down to the second.

The Director watches camera monitors, chooses shots to go on the air, and talks to the crew through a headset.

The Video Operator controls the camera image.

The Tape Operator makes sure the program is recording.

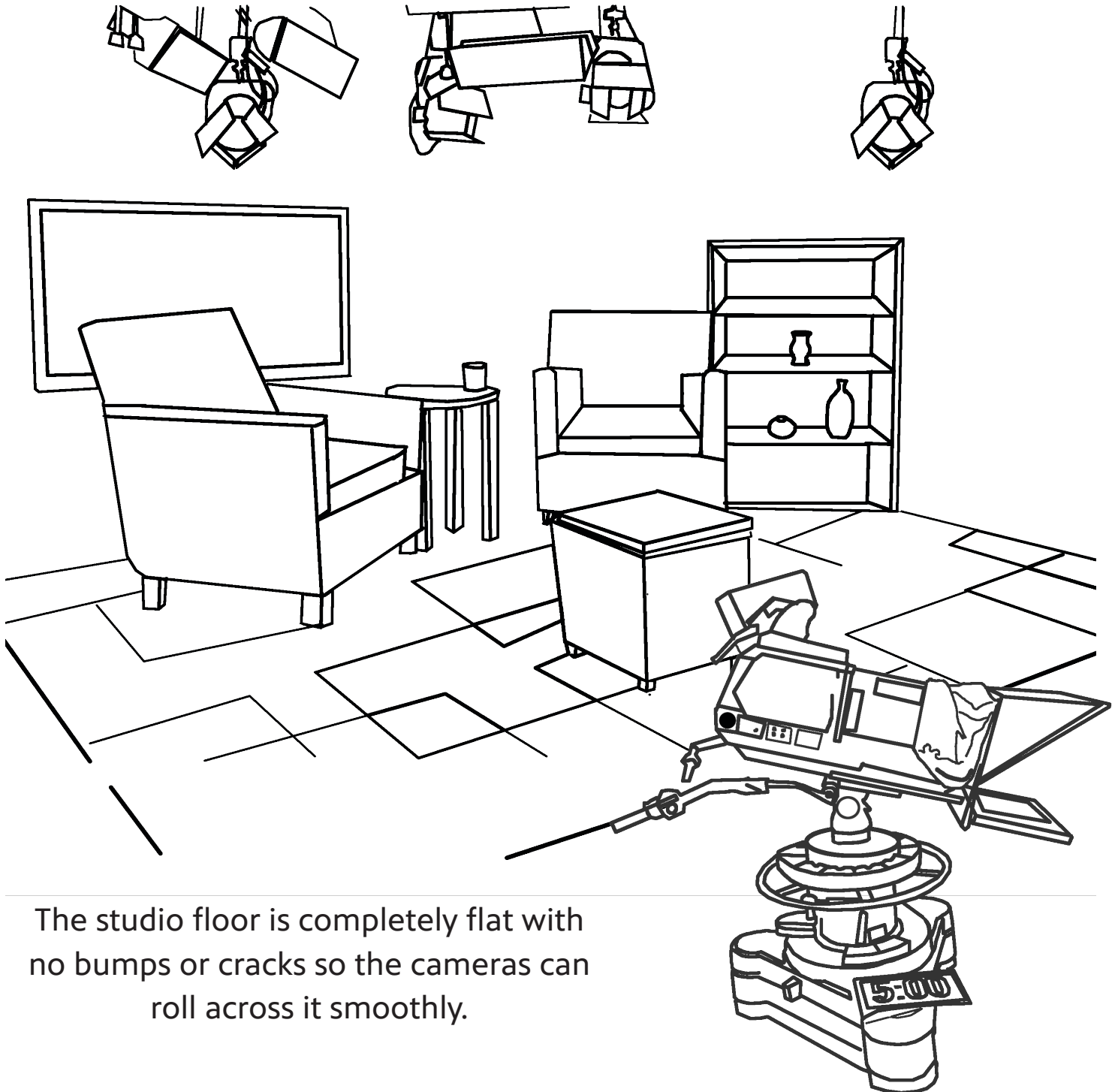
The Graphics Operator adds words to the screen.





In the Production Studio are the set, cameras, and lights.
The studio is a big room that is very dark and very quiet until the crew gets it ready with lights, set, and sound.

Everything has to be quiet during a production taping. The main studio has thick walls and heavy metal doors to block sound.



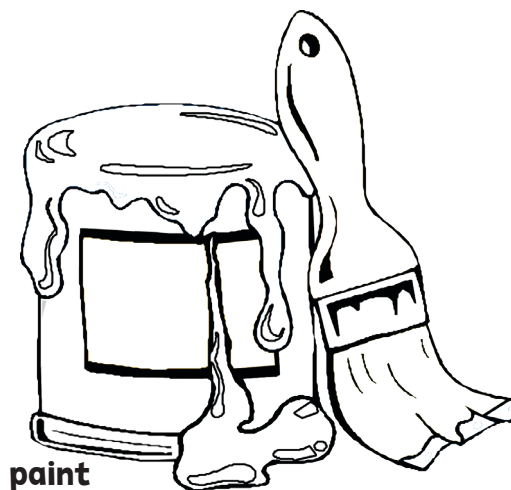
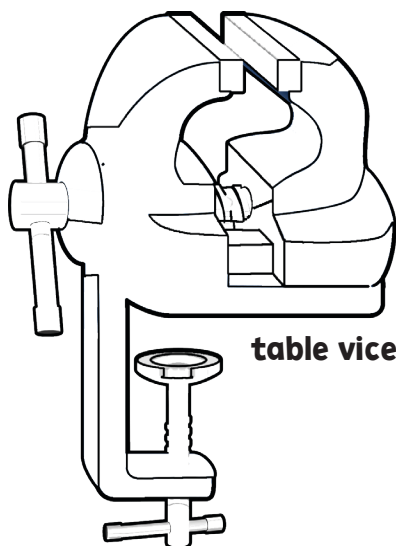
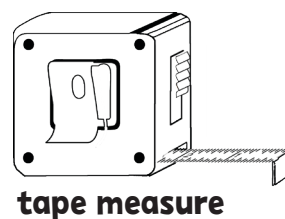
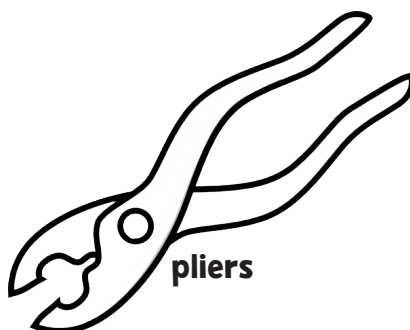
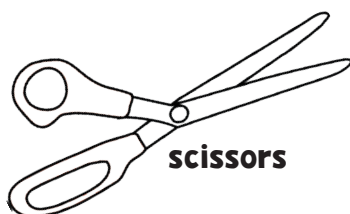
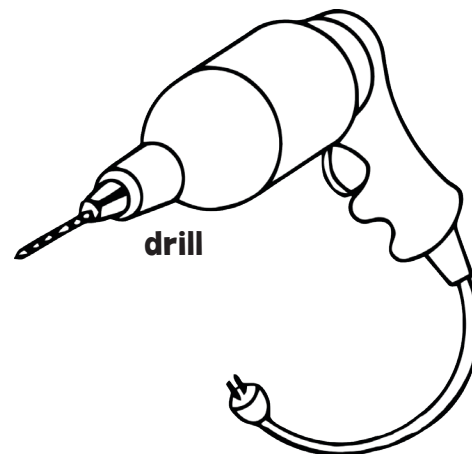
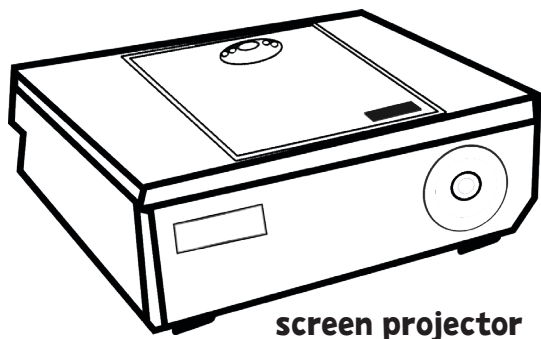
The studio floor is completely flat with no bumps or cracks so the cameras can roll across it smoothly.





The Scene Shop is next to the studio. This is where all of the sets, lights, and equipment are stored. The studio can be changed quickly to a new set to look like a completely different place on television.

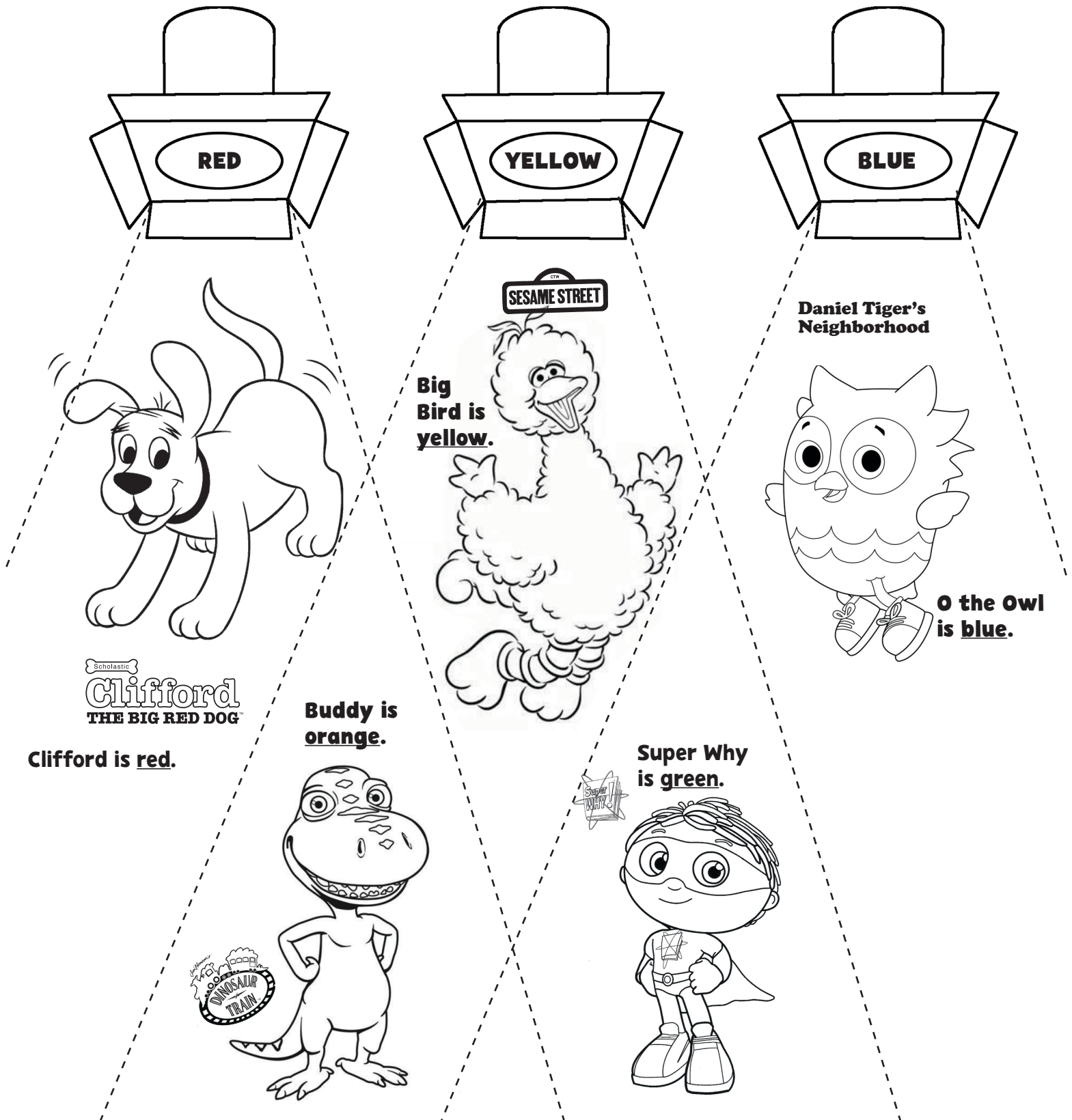
We use many tools that you may recognize to make the television sets. Here are some of the tools used to build a set.





We use a lot of lights to make television programs.
Sometimes we need to color the lights.

What happens when these colors are mixed together?





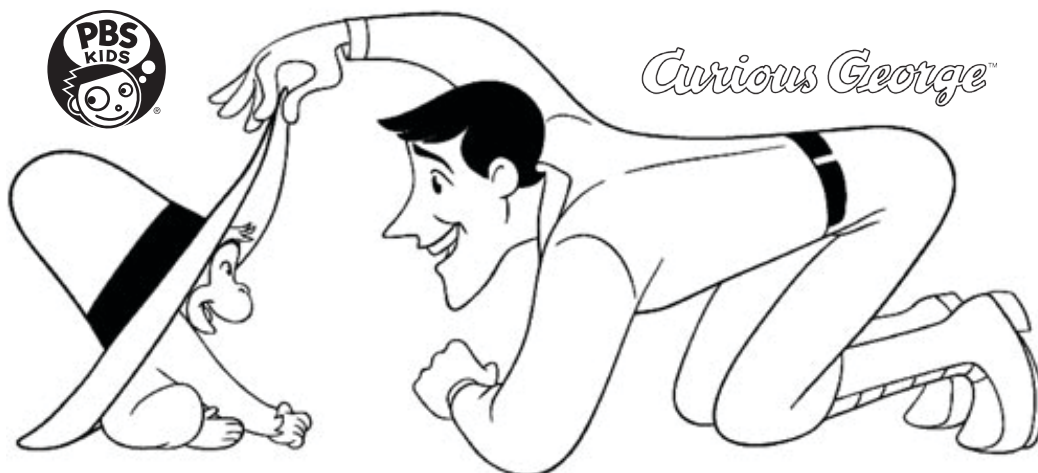
A lot of equipment is involved in creating a television or radio production. Find these words in the puzzle:

MICROPHONE
CAMERA
COMPUTER

PROPS
GREENSCREEN
LIGHTS

HEADPHONES
CABLES
SWITCHER

H	Y	Q	I	I	S	Q	V	L	V	P	R	T	G	B
N	C	F	J	P	X	Y	O	W	I	U	B	B	R	K
F	B	B	O	X	P	H	B	Q	G	G	S	M	E	C
A	F	R	F	Y	H	B	O	Q	J	E	H	L	E	K
G	P	Y	R	Z	P	Y	I	A	L	S	R	T	N	B
P	N	Q	V	C	K	O	K	B	L	W	M	M	S	S
N	T	N	M	O	J	R	A	S	C	I	N	I	C	W
U	A	P	P	M	F	C	Y	E	A	T	N	C	R	I
L	B	I	R	P	X	L	D	K	K	W	O	R	E	T
V	I	J	D	U	K	C	V	Y	C	F	J	O	E	C
L	L	Z	W	T	F	A	S	S	A	I	P	P	N	H
J	R	F	J	E	Q	M	C	I	Z	I	Y	H	H	E
H	Q	G	F	R	S	E	Q	I	A	Y	H	O	D	R
V	F	Q	W	E	R	R	N	J	Y	A	K	N	Z	G
K	V	A	P	H	E	A	D	P	H	O	N	E	S	Z





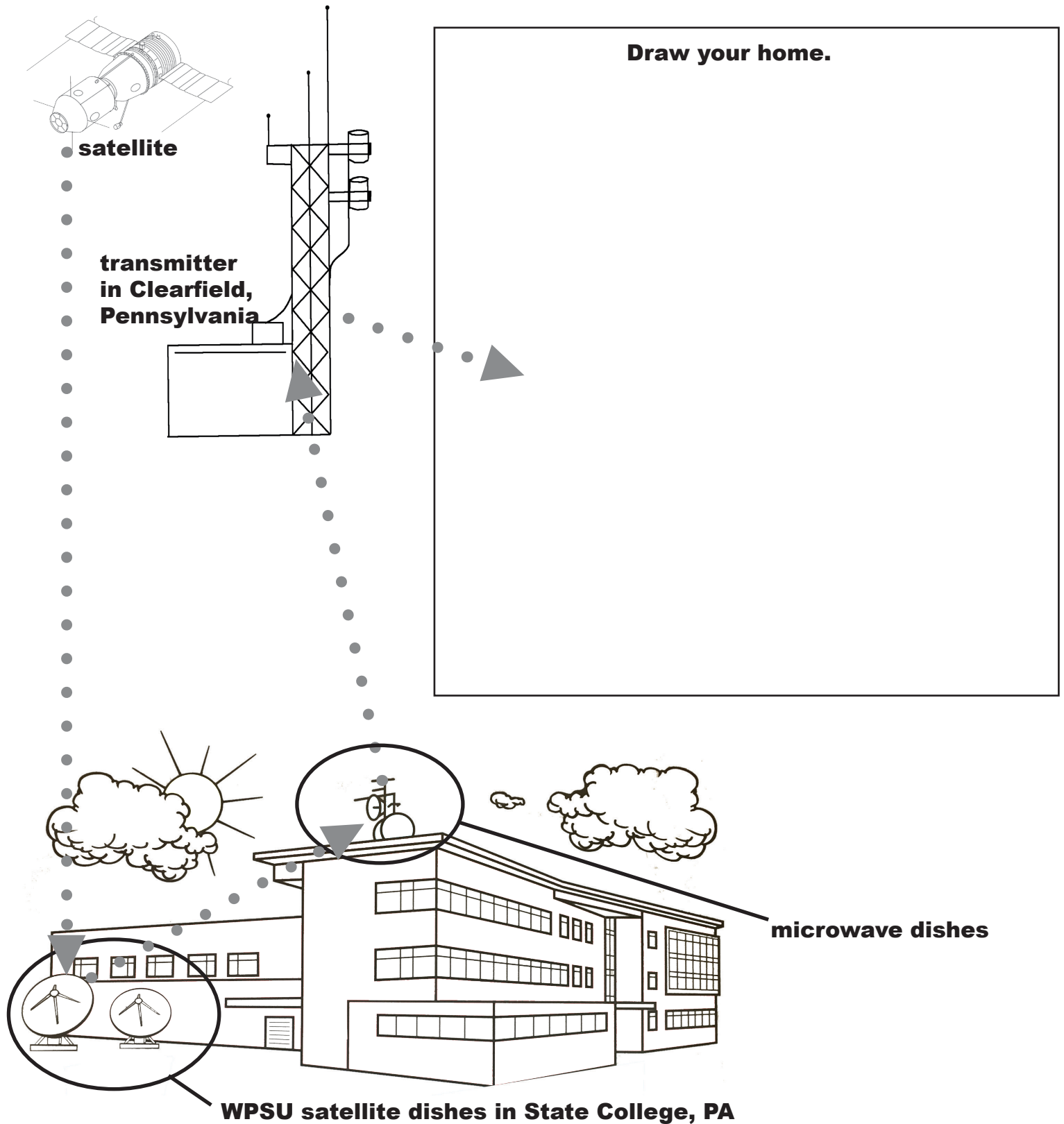
When television programs are ready, the Traffic Department schedules shows for all three WPSU channels on a computer.

A Broadcast Operator monitors the computer to make sure WPSU stays on the air 24 hours a day, seven days a week.



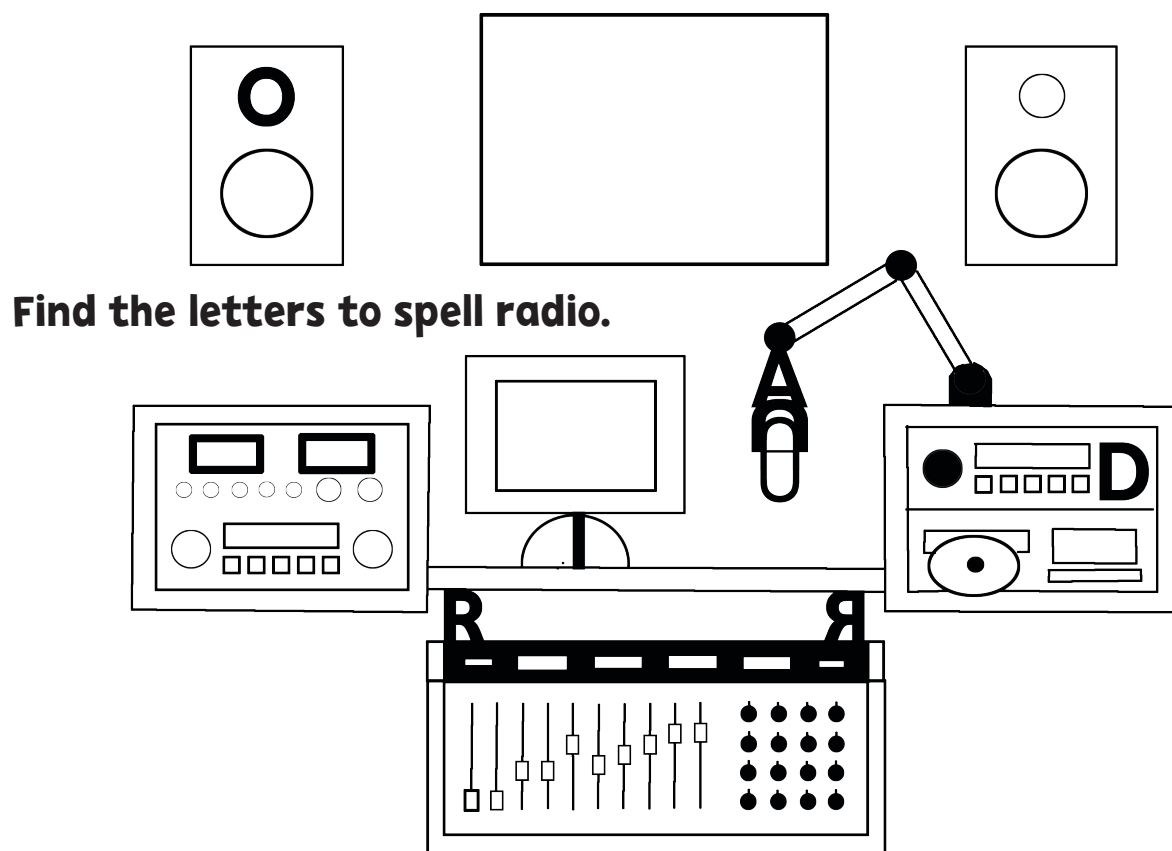


Programs come from many different places. Some come from the WPSU studio, some come from satellites to our satellite dishes, and some come from other locations. All of them are sent from a microwave dish to the transmitter in Clearfield, PA, to be sent to your television set at home.



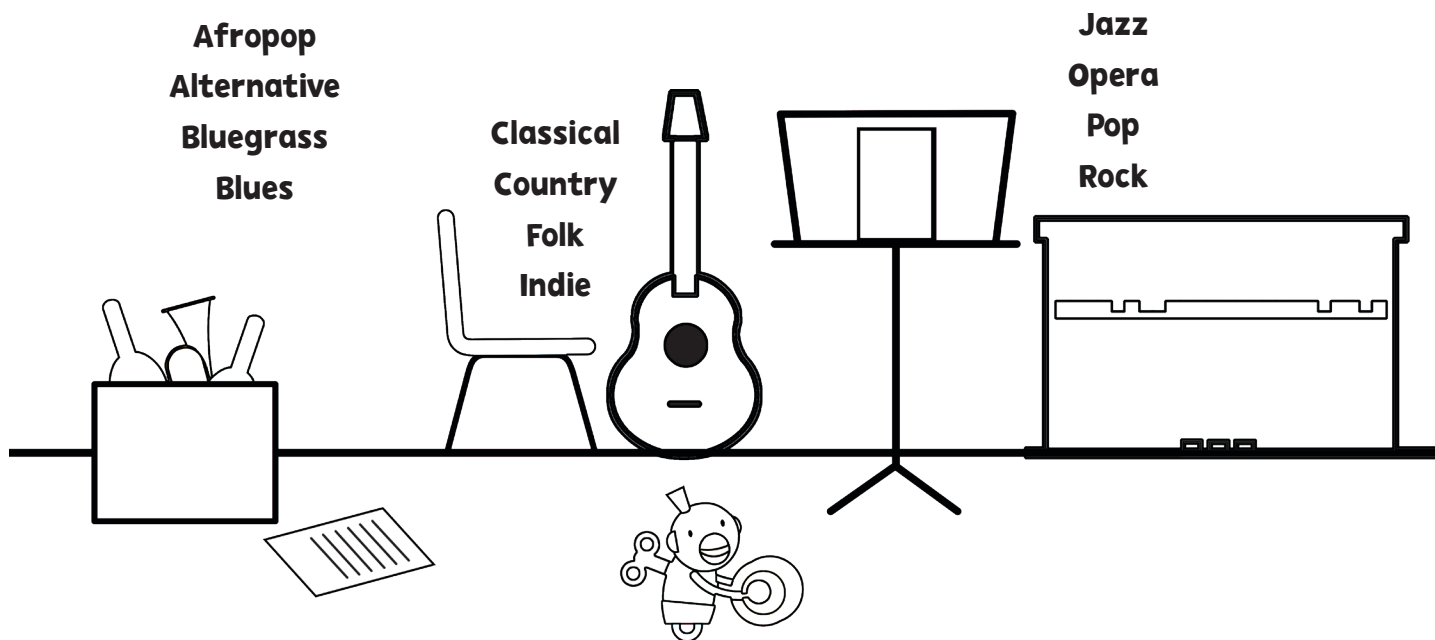


Radio has equipment and studios, too. WPSU-FM has three different radio channels that broadcast 24 hours a day.



Find the letters to spell radio.

Public radio and television have many different types of music shows.
What kind of music do you like?



One room at WPSU that is used by both TV and radio is the Audio Studio. It is used to record music, voice-overs, and other sounds that you may hear on TV or radio shows. It is so quiet in the audio studio you can even hear your heartbeat!

Can you sing the Peg + Cat theme song with Peg?

Peg plus Cat,
Peg plus Cat,
One, two, three,
Yeah, come let's go,
Four, five, six
Hey, what do you know?
Seven, eight, nine,
what comes next?
Uh, ten?
Ten! You're the best!

We have two,
Na, na, na, na, na.
Me plus two,
Na, na, na, na, na.
We're Peg plus Cat,

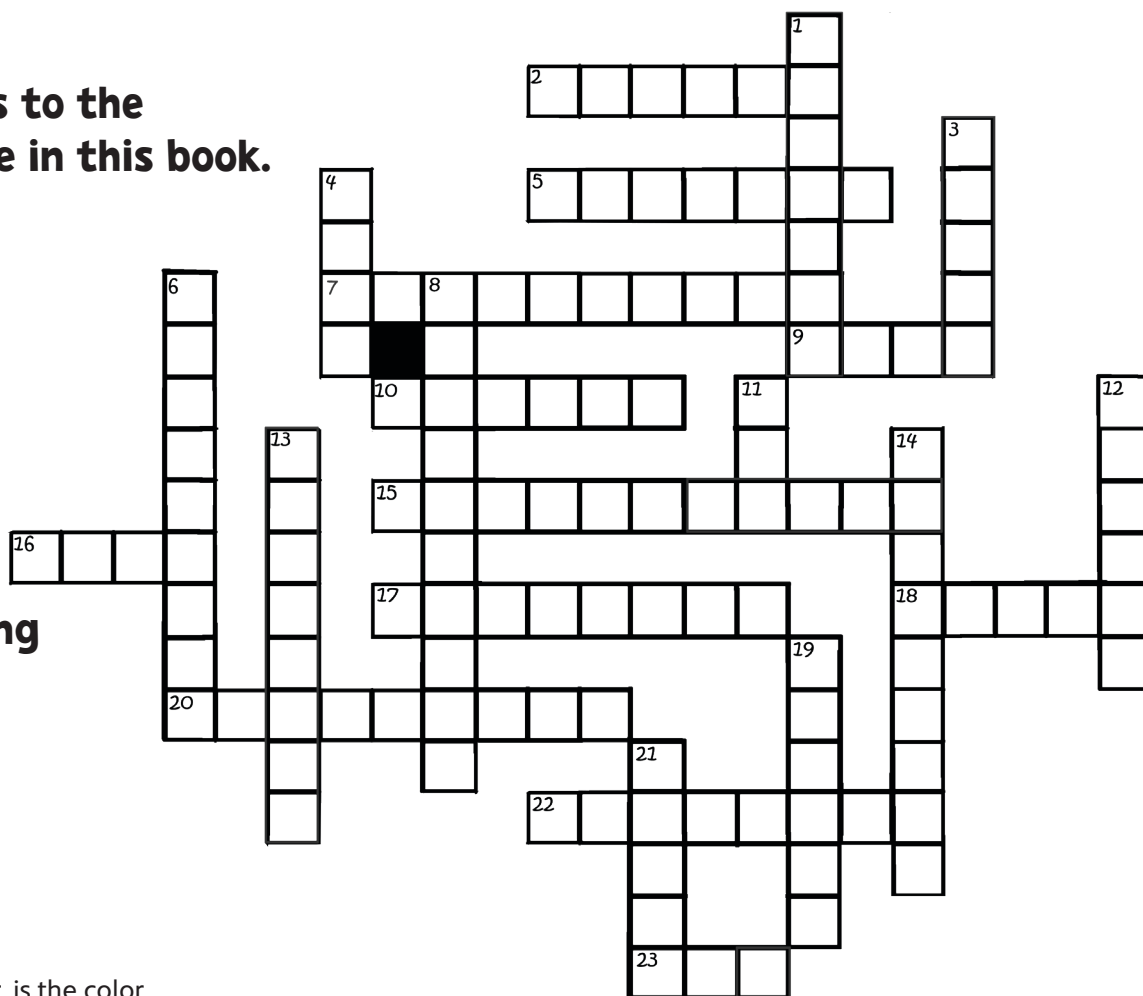
Peg plus Cat,
Peg plus Cat,
Peg plus Cat,
Peg plus Cat!





Find the answers to the crossword puzzle in this book.

Thanks for visiting
WPSU!



ACROSS

- 2 Buddy, the Dinosaur, is the color ____.
- 5 Daniel Tiger, Curious George, and Wild Kratts are television shows from ____.
- 7 A radio host talks into a ____.
- 9 The ____ Operator makes sure the program is recording.
- 10 The audio studio is used to ____ music, voice-overs, and other sounds.
- 15 The ____ in Clearfield, PA, sends a signal to your television set at home.
- 16 ____ is your public TV and radio station.
- 17 Buddy, from ____ Train, is the color orange.
- 18 It is so quiet in the ____ studio you can even hear your heartbeat.
- 20 Some shows come to WPSU through a ____ dish.
- 22 WPSU-TV and WPSU-FM both have three ____ that are on the air 24 hours a day.
- 23 Daniel Tiger's curious bird friend is O the ____.

DOWN

- 1 The Director talks to the crew through a ____.
- 3 The ____ shop is where all of WPSU's sets, lights, and equipment are stored.
- 4 The transmitter in Clearfield, PA, sends a signal to your television set at ____.
- 6 The traffic department ____ shows for all three WPSU-TV channels on a computer.
- 8 WPSU's transmitter is in ____, PA.
- 11 The studio can be changed to a new ____ to make the it look completely different.
- 12 Big Bird from Sesame Street is the color ____.
- 13 A graphic designer uses a ____ to create websites.
- 14 WPSU-FM has three radio channels that ____ 24 hours a day.
- 19 The Director talks with the ____ Operators and Floor Manager through a headset.
- 21 WPSU is both a television and ____ station.

answer key: page 15



crossword answer key: 1 HEADSET, 2 ORANGE, 3 SCENE, 4 HOME, 5 PBSKIDS, 6 SCHEDULES, 7 MICROPHONE, 8 CLEARFIELD, 9 TAPE, 10 RECORD, 11 SET, 12 YELLOW, 13 COMPUTER, 14 BROADCAST, 15 TRANSMITTER, 16 WPSU, 17 DINOSAUR, 18 AUDIO, 19 CAMERA, 20 SATELLITE, 21 RADIO, 22 CHANNELS, 23 OWL

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