

SHOP CALENDAR

WEEK
7

★ JULY 6TH-10TH ★
WOODEN CARS & FIELD TRIPS

9:00-10:00 DAILY: GARDEN CHORES

★ MONDAY ★

7/6



9:00-12:00
Building Wooden
Cars



12:00-12:30
Drawing Challenge



12:30-3:00
Painting Wooden
Cars

★ TUESDAY ★

7/7



9:00-12:00
Building Wooden
Cars



12:00-12:30
Drawing Challenge



12:30-3:00
Painting Wooden
Cars

★ WEDNESDAY ★

7/8



9:00-12:00
Building Wooden
Cars



12:00-12:30
Drawing Challenge



12:30-3:00
Painting Wooden
Cars

ALSO

9:00-2:00
**BLACK HILLS
HOME BUILDERS
KIDS CAMP**

★ THURSDAY ★

7/9



9:00-12:00
**AIR AND SPACE
MUSEUM
WITH TARA**



12:00-12:30
Drawing Challenge



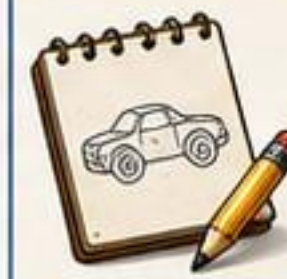
12:30-3:00
Painting Wooden
Cars

★ FRIDAY ★

7/10



9:00-12:00
Den ED Building
Wooden Cars



12:00-12:30
Drawing Challenge



12:30-3:00
Painting Wooden
Cars

DESIGN IT.
BUILD IT.
RACE IT!

STEM

SCIENCE ★ TECHNOLOGY ★ ENGINEERING ★ MATH

PINWOOD
DERBY
CHAMPIONS

SHOP CALENDAR

WEEK
8

JULY 13TH-17TH
RACING AND MAGNETS

9:00-10:00 DAILY: GARDEN CHORES

★ MONDAY ★

7/13

10:15-11:45
Den Ed Building
Wooden Cars



11:45-12:45
Drawing Challenge



12:45-3:00
Final Touches to
Cars
(Cadets and
Juniors)



★ TUESDAY ★

7/14

10:15-11:45
Den Ed Wooden
Cars (Finishing
Touches)



11:45-12:45
Drawing Challenge



1:00
Cadet Wooden
Car Races



TEAM ACTIVITY

2:00-3:00
Magnet Scavenger
Hunt



★ WEDNESDAY ★

7/15

10:30
Junior and Den Ed
Wooden Car Races



11:45-12:45
Drawing Challenge



12:45-3:00
Final Touches to
Cars (Minors)



★ THURSDAY ★

7/16

10:15-11:45
Magnet Maze



11:45-12:45
Drawing Challenge



1:00
Minor Wooden
Car Races



GROUP EXPERIMENT

2:00-3:00
Magnetic or Not?



★ FRIDAY ★

7/17

FIELD TRIP AND MAGNETS

10:00-12:00
Museum of
Geology with
Cave Cubs



12:00-12:45
Drawing Challenge



12:45-3:00
Build and Test
Electromagnet



STEM

SCIENCE
TECHNOLOGY
ENGINEERING
MATH



SHOP CALENDAR

WEEK
9

JULY 20TH-24TH
< CODING >



when  clicked
move 10 steps
turn  15 degrees
repeat 4
say Hello!

9:00-10:00 DAILY: GARDEN CHORES

MONDAY

7/20

CODING BASICS:
SEQUENCES



10:15-11:45
Human Coding
(Program your partner's
walking path)



11:45-12:45
Drawing Challenge



12:45-3:00
Team Challenge:
Build and perform
a story using a
paper coding
sequence

TUESDAY

7/21

CREATING A CODE



10:15-11:45
Scratch
(creating a 6 step
sequence)



11:45-12:45
Drawing Challenge



12:45-2:00
Adding Loops

GROUP ACTIVITY



2:00-3:00
Share and Discuss
our LOOPED
CODES.

WEDNESDAY

7/22

GAMES AND
CREATIONS



10:15-11:45
Games for
Beginning Coders
(OSMO, Sphero,
Scratch, and More)



11:45-12:45
Drawing Challenge

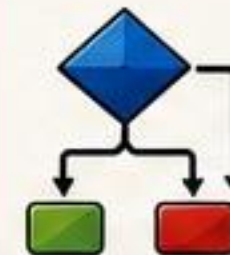


12:45-3:00
BLOCK PARTY!!

THURSDAY

7/23

CONDITIONS OF
CODING



10:15-11:45
Adding Conditions
to our Scratch
Creations



11:45-12:45
Drawing Challenge

TEAM CHALLENGE



12:45-2:30
Maze of Conditions

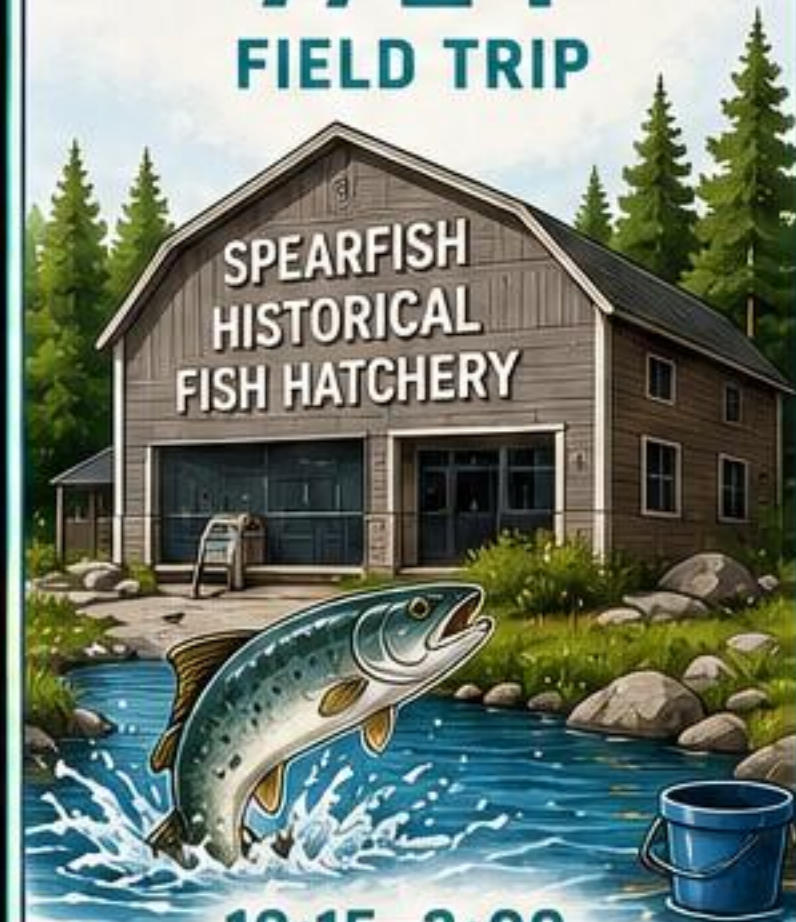


2:30-3:00
How did Conditions
change the game?

FRIDAY

7/24

FIELD TRIP



10:15-3:00
Spearfish
Historical Fish
Hatchery with
Cave Cubs!!!



101010
010100

STEM

```
for i in range(5):  
    print("Code is fun!")  
if score > 10:  
    print("Great job!")
```

EXPLORE.
EXPERIMENT.
DISCOVER.
CREATE.

SHOP CALENDAR

WEEK
10

JULY 27TH-31ST
CHEMISTRY WEEK

9:00-10:00 DAILY: **GARDEN CHORES**

★ MONDAY ★

7/27

**CLUB
IS
CLOSED**

SEE YOU
NEXT
WEEK!

★ TUESDAY ★

7/28

**STATES OF MATTER
AND MIXTURES**



10:15-11:00
What's the Matter?
Science Lab



11:00-11:45
Mixtures vs
Solutions Stations



11:45-12:45
Drawing Challenge



12:45-3:00
Oobleck Lab

★ WEDNESDAY ★

7/29

**CHEMICAL
REACTIONS DAY**

10:15-11:45

- Vinegar + Baking Soda
- Lemon Juice + Baking Soda
- Yeast + Hydrogen Peroxide
(Elephant Toothpaste Lite)



11:45-12:45
Drawing Challenge



12:45-3:00
Chemical
Reaction Races



★ THURSDAY ★

7/30

SLIME AND POLYMERS

10:15-11:15
Making Slime



11:15-11:45

Polymer Testing
How far does it stretch?
How high does it bounce?



11:45-12:45
Drawing Challenge



12:45-2:30
Slime Olympics

2:30-3:00

Slime Sculpture Build



★ FRIDAY ★

7/31

**CRYSTALS AND
SOLUTIONS**



10:15-11:45
Crystal Growing Lab



11:45-12:45
Drawing Challenge



12:45-1:30
Saturation
Experiments



1:30-3:00
Crystal Art
Challenge



STEM



SCIENCE



TECHNOLOGY



ENGINEERING



MATH

ASK QUESTIONS.
MAKE PREDICTIONS.
TEST IDEAS.
SHARE DISCOVERIES.