

# Create a Pedigree!

**Goal:** Create a pedigree to show the passing of hitchhiker's thumb. (HINT: the "affected" individuals will have a hitchhiker thumb).

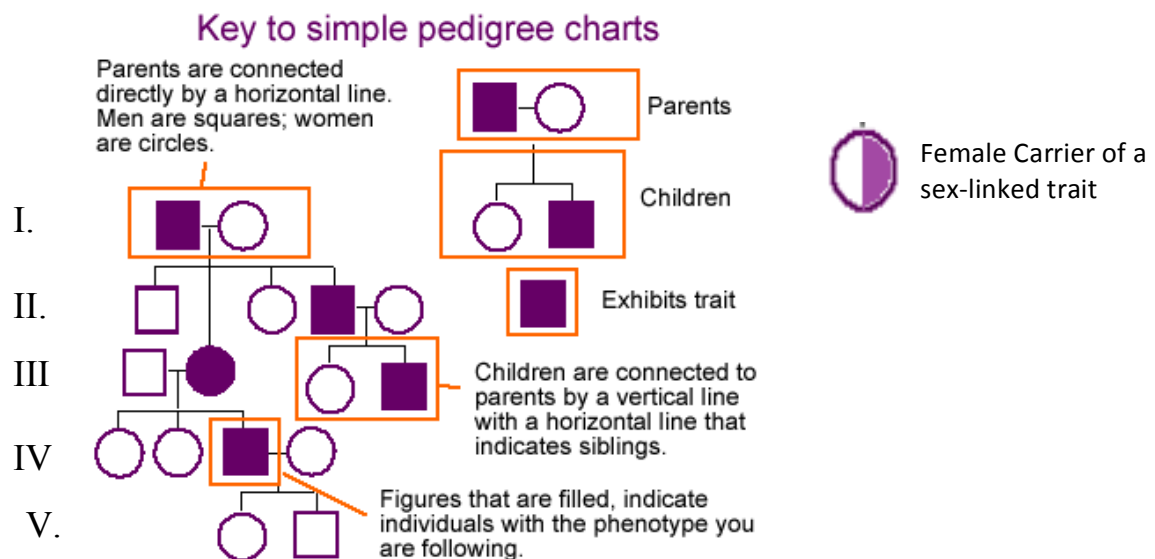
## Directions:

1. Read the following family clues out loud as a group.

Meet the Robertson Family!

Grandfather Robert married Grandmother Regina. They had 3 children—Brian, Bob, and Briana. Brian married Kara, and they have two children: Steven and Kenny. Bob married Kristin, and they have one child: Tara. Briana married Jon, and they have one child: Erin.

2. Review the key for making pedigrees...



3. Draw the pedigree for this family on a piece of chart paper. **DRAW IN PENCIL FIRST.** *You may also want to make a rough draft on a piece of scratch paper.*
4. Read the following description and color in the squares or circles for the affected individuals.

Both Robert and Regina have regular thumbs. Regular thumb (T) is dominant to hitchhiker's thumb (t). Brian has a regular thumb, Kara has hitchhiker's thumb; their children both have regular thumbs. Bob has a hitchhiker's thumb, Kristin has a hitchhiker's thumb, and so does Tara. Briana and Jon have normal thumbs, but their daughter has a hitchhiker's thumb.

5. Once your pedigree has been approved by Mrs. Reigel, you can make a final draft on your chart paper, add colors and a **KEY!** Don't forget to add Roman Numerals for each generation, and numbers to each person in a generation.
6. Now look back at your pedigree, add **GENOYPES** to each person! (If an individual is dominant, you might have to write "Rr or RR")

A

# Create a Pedigree!

**Goal:** Create a pedigree to show the passing of the left-handed trait. (HINT: the “affected” individuals will be left-handed).

B

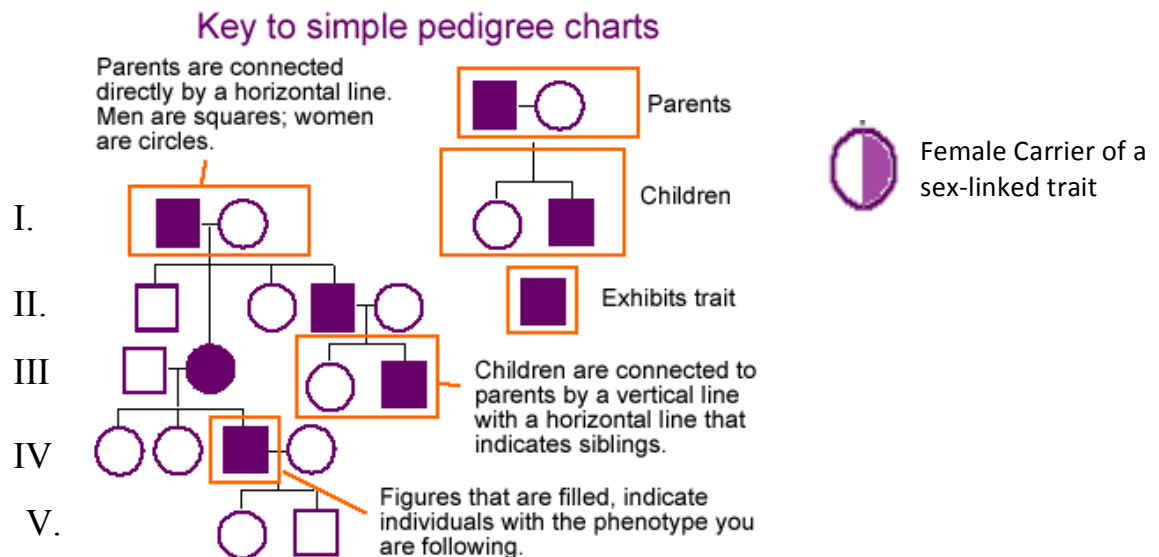
## Directions:

### 1. Read the following family clues out loud as a group.

Meet the Smith Family!

Grandfather Carl married Grandmother Cindy. They had 4 children—Sarah, Brian, Malik, and Kristin. Sarah married Tariq, and they have two children: Kayla and Danielle. Kristin married Dave, and they have one child: Tyron.

### 2. Review the key for making pedigrees...



### 3. Draw the pedigree for this family on a piece of chart paper. DRAW IN PENCIL FIRST.

*You may also want to make a rough draft on a piece of scratch paper.*

### 4. Read the following description and color in the squares or circles for the affected individuals.

Both Carl and Cindy are right handed. Right-handed (R) is dominant to left-handed (r). Sarah is left-handed, Tariq is right handed, and both of their children are right handed. Brian is right-handed, Malik is right-handed. Kristin is right-handed, her husband Dave is left-handed, their son is left handed.

### 5. Once you're pedigree has been approved by Mrs. Reigel, you can make a final draft on your chart paper, add colors and a KEY! Don't forget to add Roman Numerals for each generation, and numbers to each person in a generation.

### 6. Now look back at your pedigree, add GENOYPES to each person! (If an individual is dominant, you might have to write “Rr or RR”)

# Create a Pedigree!

**Goal:** Create a pedigree to show the passing of the tongue-rolling trait. (HINT: the “affected” individuals will be tongue-rollers).

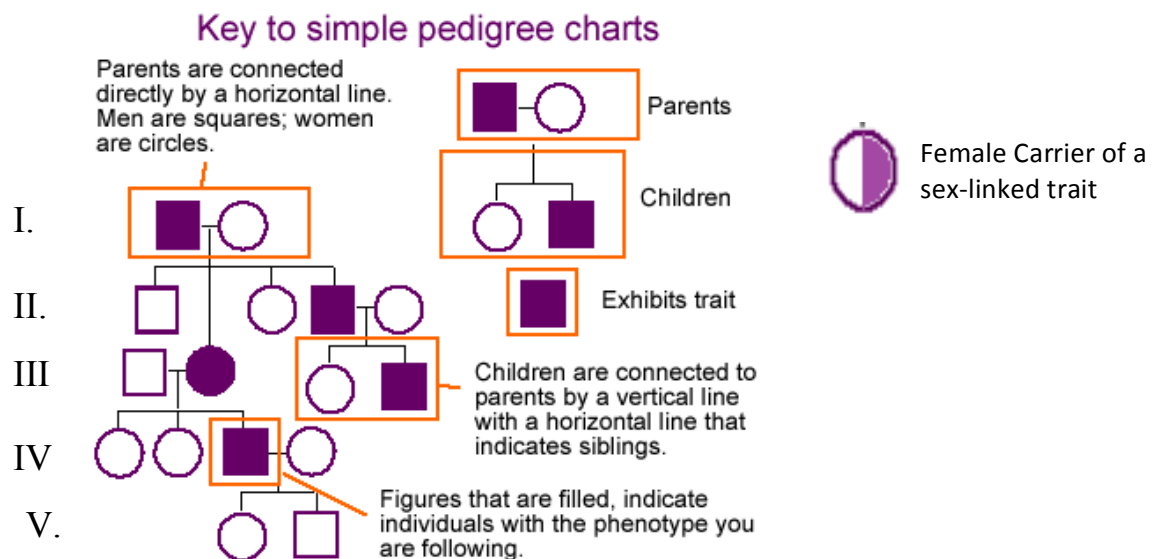
## Directions:

1. Read the following family clues out loud as a group.

Meet the Stevens Family!

Grandfather Herb married Grandmother Hannah. They had 4 children—Jeremy, Janine, Joshua, and Joslin. Jeremy married Karin and they had 3 children: Gregory, Gertrude, and Gus. Joshua married Sara; they have no children. Joslin married Kevin, and they have two children: Kevin and Skyler.

2. Review the key for making pedigrees...



3. Draw the pedigree for this family on a piece of chart paper. **DRAW IN PENCIL FIRST.** *You may also want to make a rough draft on a piece of scratch paper.*
4. Read the following description and color in the squares or circles for the affected individuals.

Herb and Hannah are both tongue rollers. Tongue rolling (T) is dominant to non-rolling (t). Jeremy and Karin are both rollers; Gregory is a non-roller, Gertrude, and Gus can roll their tongues. Joshua and Sara are non-rollers. Joslin and Kevin are both rollers, and so are both of their children.

5. Once you're pedigree has been approved by Mrs. Reigel, you can make a final draft on your chart paper, add colors and a KEY! Don't forget to add Roman Numerals for each generation, and numbers to each person in a generation.
6. Now look back at your pedigree, add **GENOYPES** to each person! (If an individual is dominant, you might have to write "Rr or RR")

# Create a Pedigree!

**Goal:** Create a pedigree to show the passing of the blue eyes. (HINT: the “affected” individuals will have blue eyes).

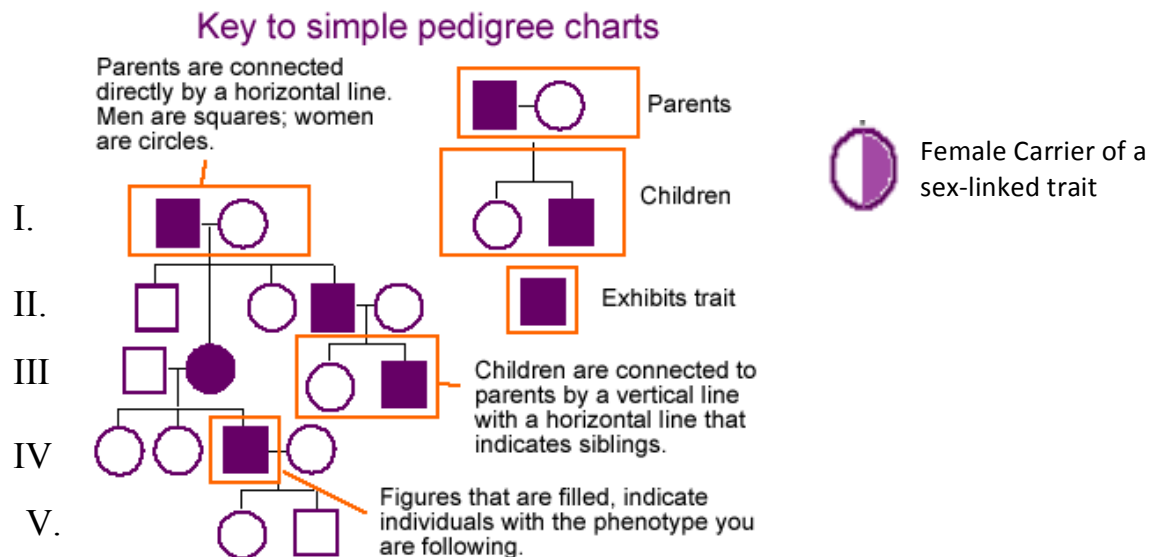
## Directions:

### 1. Read the following family clues out loud as a group.

Meet the Taylor Family!

Grandfather Sam married Grandmother Tracey. They had 3 children—Anthony, James, and John. John married Sarah. They had two children: Grace and Hope.

### 2. Review the key for making pedigrees...



### 3. Draw the pedigree for this family on a piece of chart paper. DRAW IN PENCIL FIRST.

*You may also want to make a rough draft on a piece of scratch paper.*

### 4. Read the following description and color in the squares or circles for the affected individuals.

Sam and Tracey have brown eyes. Brown eyes (B) are dominant to blue (b). Anthony has brown eyes. James has blue eyes. John has brown eyes. His wife, Sarah, has blue eyes. Grace has brown eyes, and Hope has blue eyes.

### 5. Once you're pedigree has been approved by Mrs. Reigel, you can make a final draft on your chart paper, add colors and a KEY! Don't forget to add Roman Numerals for each generation, and numbers to each person in a generation.

### 6. Now look back at your pedigree, add GENOYPES to each person! (If an individual is dominant, you might have to write "Rr or RR")