

Dear Parents,

We will be studying a unit that focuses on Heredity & Genetics. Your child will be learning more about his/her own genetic makeup and the traits that make them who they are. For this project, each child will be focusing on the immediate family members and will be creating a family tree. The point of this project is to learn about the genetic traits that they inherit from family members and that these traits are a part of them and don't change. The project will be due on Friday, April 24th. Students are responsible for drawing and creating a family tree and have it represented on a poster board. The Genetic Information Sheet on the following pages will provide what traits that need to be represented on the family tree. I encourage their posters to be creative and that they have fun learning about themselves. Students need to include themselves on the base of the tree, and on the next level, list their parents, then on the last level their grandparents on both sides of their family. If they choose to add their great grandparents, or great-great grandparents they will receive extra credit. I greatly appreciate your support in helping our amazing sixth graders learn more about themselves as well as their family members. If you have any questions or concerns please let me know.

Thanks,

Mrs. Shelley

Inherited Traits Family Tree Project

Objective: Create a family tree that is at least 3 generations deep, detailing the genetic traits that you have in common with family members.

Instructions:

- At the base of the tree should be the students name and their genetic traits according to the tracker.
- On the Second level list both parents. List the father first (on the left) then the mother.
- On the next level list father's parents. List his father first, then his mother. Then list the mother's father first then her mother.
- Optional Extra Credit: List great grandparents using the same pattern.

Students also need to include the characteristics that are shared with the family members on the family tree that is obtained from the Genetic Information Chart.

Name: _____ Date: _____

Genetic Information Pages Common traits learned on these pages need to be shared on the family tree.

My Genetic Traits

Earlobe Attachment: Attached or Detached Handedness:

Left Handed or Right Handed

Freckles: Yes or No

Roll Tongue: Yes or No

Naturally Curly Hair: Yes or No

Dimples: Yes or No

Hitchhiker Thumb: Yes or No

Cleft Chin: Yes or No

Widow's Peak: Yes or No

Hair Color:

Eye Color:

Allergies:

My Father's Genetic Traits

Father's Name: _____

Earlobe Attachment: Attached or Detached Handedness:

Left Handed or Right Handed

Freckles: Yes or No

Roll Tongue: Yes or No

Naturally Curly Hair: Yes or No

Dimples: Yes or No

Hitchhiker Thumb: Yes or No

Cleft Chin: Yes or No

Widow's Peak: Yes or No

Hair Color:

Eye Color:

Allergies:

We share the following characteristics:

My Mother's Genetic Traits

Mother's Name: _____

Earlobe Attachment: Attached or Detached Handedness:

Left Handed or Right Handed

Freckles: Yes or No

Roll Tongue: Yes or No

Naturally Curly Hair: Yes or No

Dimples: Yes or No

Hitchhiker Thumb: Yes or No

Cleft Chin: Yes or No

Widow's Peak: Yes or No

Hair Color:

Eye Color:

Allergies:

We share the following characteristics:

My Grandfather's Genetic Traits

Grandfather's Name: _____

Is he on your dad's side of the family or your moms? _____

Earlobe Attachment: Attached or Detached Handedness:

Left Handed or Right Handed

Freckles: Yes or No

Roll Tongue: Yes or No

Naturally Curly Hair: Yes or No

Dimples: Yes or No

Hitchhiker Thumb: Yes or No

Cleft Chin: Yes or No

Widow's Peak: Yes or No

Hair Color:

Eye Color:

Allergies:

We share the following characteristics:

My Grandmother's Genetic Traits

Grandmother's Name: _____

Is she on your dad's side of the family or your moms? _____

Earlobe Attachment: Attached or Detached Handedness:

Left Handed or Right Handed

Freckles: Yes or No

Roll Tongue: Yes or No

Naturally Curly Hair: Yes or No

Dimples: Yes or No

Hitchhiker Thumb: Yes or No

Cleft Chin: Yes or No

Widow's Peak: Yes or No

Hair Color

Eye Color:

Allergies:

We share the following characteristics:

My Grandfather's Genetic Traits

Grandfather's Name: _____

Is he on your dad's side of the family or your moms? _____

Earlobe Attachment: Attached or Detached Handedness:

Left Handed or Right Handed

Freckles: Yes or No

Roll Tongue: Yes or No

Naturally Curly Hair: Yes or No

Dimples: Yes or No

Hitchhiker Thumb: Yes or No

Cleft Chin: Yes or No

Widow's Peak: Yes or No

Hair Color

Eye Color:

Allergies:

We share the following characteristics:

My Grandmother's Genetic Traits

Grandmother's Name: _____

Is she on your dad's side of the family or your moms? _____

Earlobe Attachment: Attached or Detached Handedness:

Left Handed or Right Handed

Freckles: Yes or No

Roll Tongue: Yes or No

Naturally Curly Hair: Yes or No

Dimples: Yes or No

Hitchhiker Thumb: Yes or No

Cleft Chin: Yes or No

Widow's Peak: Yes or No

Hair Color

Eye Color:

Allergies:

We share the following characteristics:

Extra Family Member's Genetic Traits

Person's Name: _____

How are they related to you? _____

Are they on your dad's side of the family or your moms? _____

Earlobe Attachment: Attached or Detached Handedness:

Left Handed or Right Handed

Freckles: Yes or No

Roll Tongue: Yes or No

Naturally Curly Hair: Yes or No

Dimples: Yes or No

Hitchhiker Thumb: Yes or No

Cleft Chin: Yes or No

Widow's Peak: Yes or No

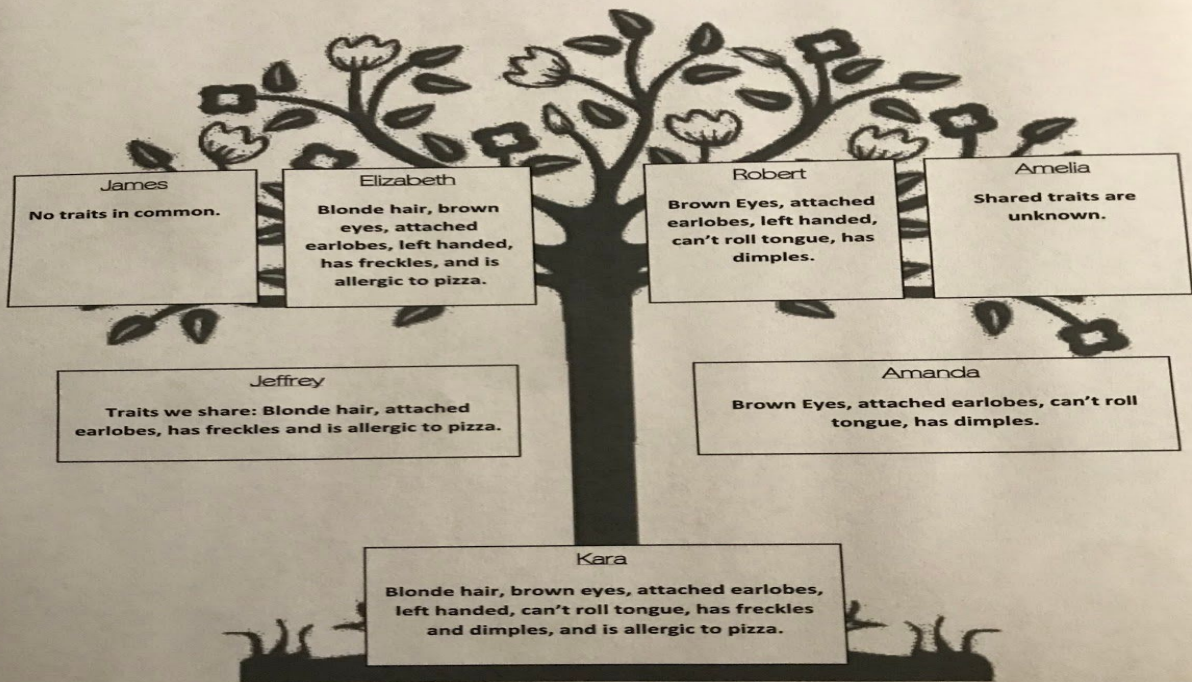
Hair Color

Eye Color:

Allergies:

We share the following characteristics:

Family Tree Example



MY INHERITED GENETIC TRAITS