**LEGO WeDo – Roaring Lion – Science/Math Extensions**

**Lion Science**

The **species** name of the African Lion is *Panthera leo.*

There other types of “big cats” that are **related** to African lions.
This **genus** name of this related group is *Panthera* (also *Puma*).

Research the following information about African lions and other *Panthera* and *Puma* species.

|  |  |  |  |
| --- | --- | --- | --- |
| **Type of Lion** | **Species Name** | **Habitat/Location** | **Social Behavior** (How do they cooperate, hunt, reproduce, etc.?) |
| African Lion | *Panthera leo* |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Programming Logic**

Save all of the WeDo programs that you create for this project; use the *name* “*P5 Lion*”.

* Explain each part of this program: (Put words in the boxes below.)



Start when press “A” key

* Create some new programs that can “remote control” the lion, using the tilt sensor.

Build the new programs **underneath** the original programs.
Be sure to control the **time** that the motor runs. (Don’t let it grind!)

Maybe try to use these program blocks (in a **different** order):



Draw your new program(s) on the back of this page…

Be sure to **save** all of your programs together, and name the project “*P5 Lion*”.

Be sure to get **sign-off** on your tracking sheet.