



Farmington Hills Nature Center  
 Taking learning outside!  
**Self-Guided Nature Walk**  
 FPS 4<sup>th</sup> Grade  
 Science Unit: *Shifting Sands*

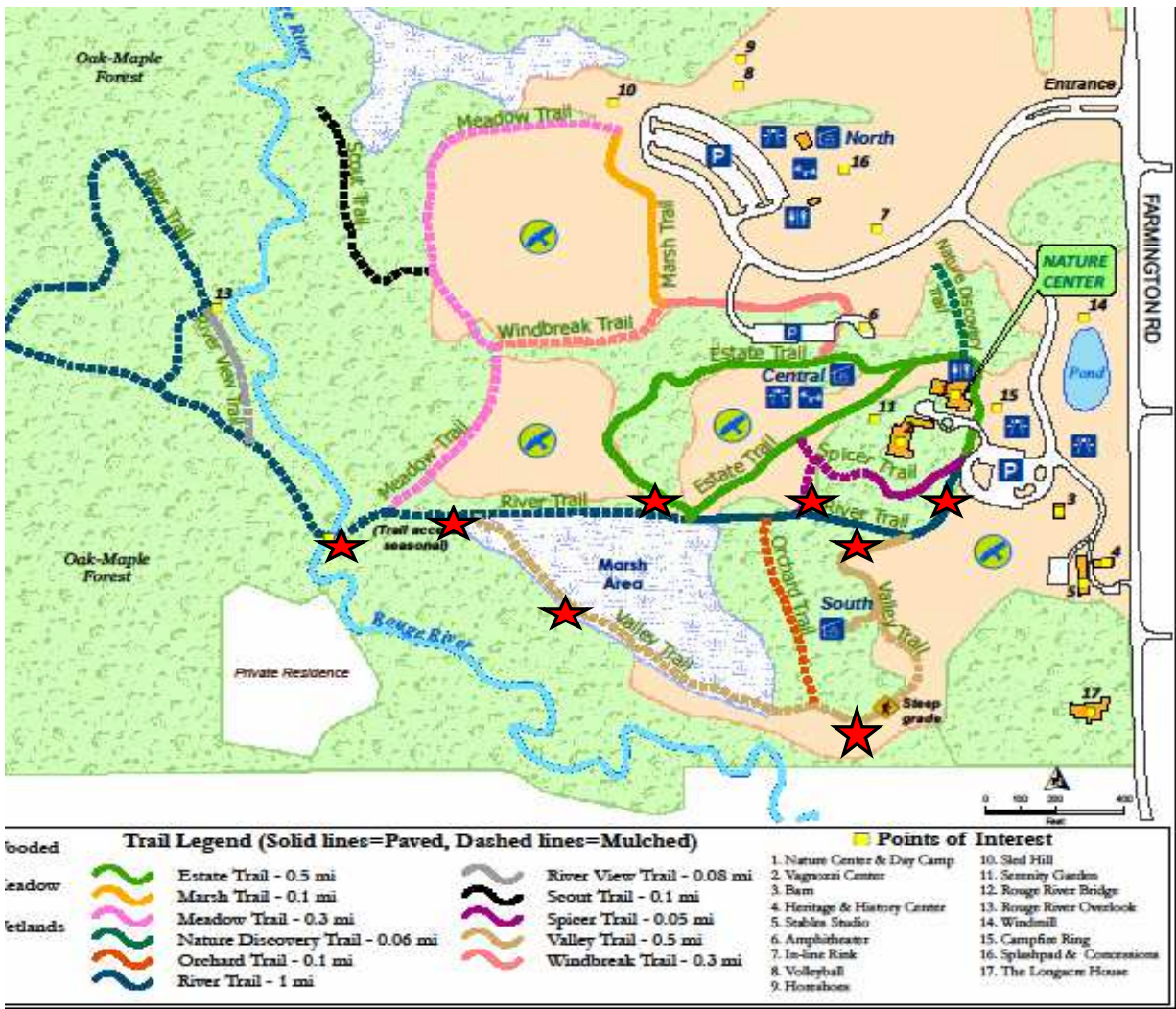


Parents/Guardians:

The Farmington Hills Nature Center is excited to offer **self-guided nature walks connected to your child's current 4<sup>th</sup> grade science unit!** Programs are designed in partnership with FPS science teachers to support classroom learning outcomes. Enjoy the beauty of nature and enhance your child's learning!

Use the **provided Map** and **Energy Scavenger Hunt** to take a nature walk along the Heritage Park trails, following the **red stars** on the map (**River Trail** and **Valley Trail**). Encourage your child to be a detective and think about what they're investigating in their science unit, *Surf's Up: How is energy transferred from place to place by sound, light, heat and movement?* Bring a pencil so your student can **record their observations and evidence**, using the Energy Scavenger Hunt.

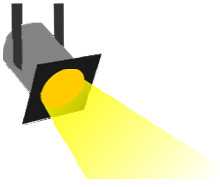
**FPS 4th grade  
 Heritage Park Self-guided Nature Walk  
 Science Unit: *Shifting Sands***



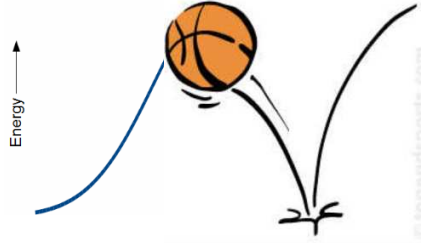


# Nature Walk Energy Scavenger Hunt

What is always present but never visible? ENERGY!  
Look closely for evidence of energy and record what you find.



Light energy



Energy from moving water



Radiant energy



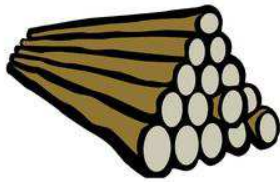
Chemical energy stored in food



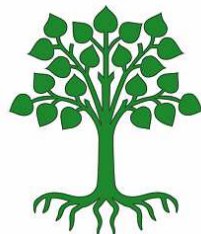
Breathing and moving



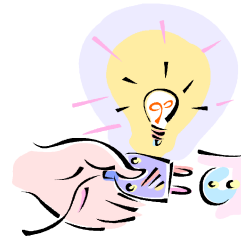
Sound energy



Chemical energy (bio-fuel)



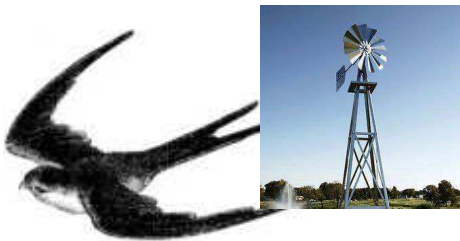
Energy producer



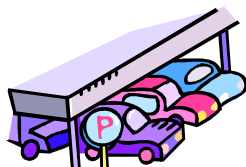
Electrical energy



Wind energy



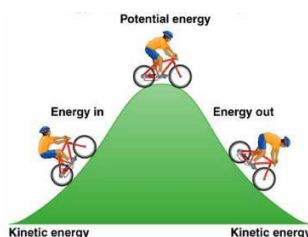
Movement from wind energy



Gas (stored energy)



Elastic energy (Gently pull and release a branch)



Kinetic and Potential Energy (Run up and down to feel it)