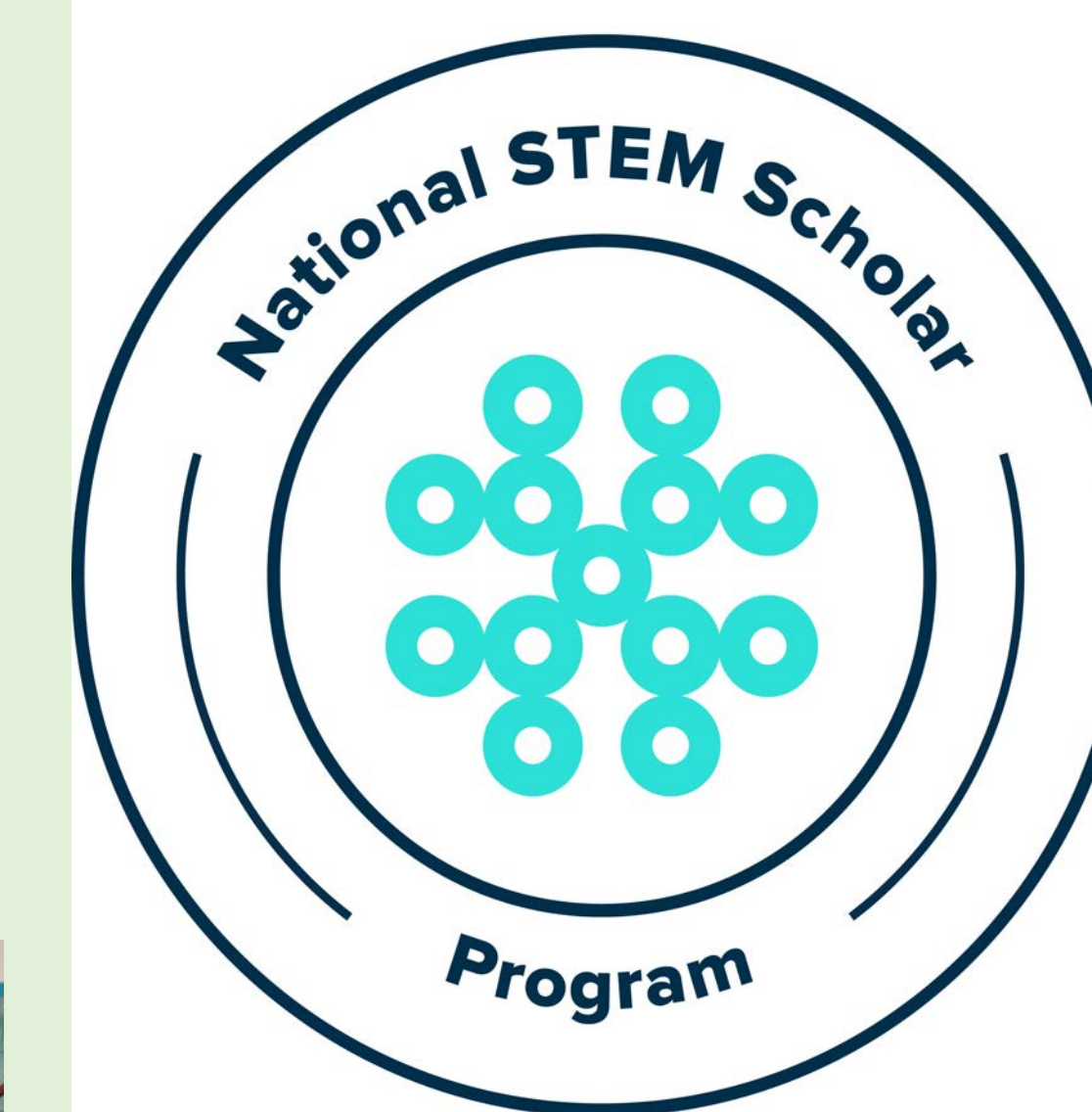




# Green and Tiny Houses



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Virginia Standards of Learning  
6.2 The student will investigate and understand basic sources of energy, their origins, transformations, and uses. Key concepts include

- the role of the sun in the formation of most energy sources on Earth;
- nonrenewable energy sources;
- renewable energy sources
- energy transformations.



## Project Summary

1. Investigate different biomes of the world
2. Investigate sustainable energy
3. Design a plan for a sustainable energy house for a specific biome
4. Create a model home with sustainable energies
5. Present your house to a Shark Tank of experts



## Materials and Resources

- 3D Biome lesson plan
- Mini solar panels
- Solar car kit
- Hydroponics lab
- Passive solar lab
- PocketLabs
- LED nametags