

## **Guiding Questions – Bill Nye Friction Video**

1. What is friction? What are the different types of friction?
2. How is friction essential to motion?
3. How are thermal (heat) energy and friction related?
4. Why does Newton's 1<sup>st</sup> Law requirement that "objects in motion stay in motion" not seem to work on Earth, but does work in space?
5. What materials have the most and least friction?
6. How do ice skates, snow skis and roller skates work?
7. How can friction be used to create fire?
8. How does friction help a bicycle work?
9. What is air resistance? For what useful functions can it be used?
10. How do your bodies control friction within them?