5th Grade Science Assessments

Formative Assessments:

● K-W-L charts to determine student prior knowledge on topic

● Post-it responses as a temperature gauge

● Thumbs up, thumbs down

● Hands on Experiments and Investigation

● Teacher-made pretests, observation/checklist

● Checking for understanding activities (Exit Slips)

Summative Assessments:

● Standards-based common assessments

● End of unit assessments

Benchmarks:

● Quizzes

● Skill-based software progress reports (i.e. IXL)

Extension Activities:

Student-Generated Questions
Pause at the end of the selection and ask students to reflect in silence
and consider three questions they have about the selection. Then, have
them jot their questions on a self-stick note and/or share with a partner.
Keep track of their questions to note if they are based on topic. This information can be
helpful in planning future lessons within the topic.

Science Labs:
Students participating in a lab related to the topic they are learning involves several ways to engage
students in hands-on, inquiry-based learning, encouraging them to apply theoretical knowledge in
practical, real-world scenarios. This approach not only reinforces concepts but also develops critical
thinking, problem-solving, and collaborative skills.

Concept Maps:
Students creating a map or model on the topic they are learning in science involves giving them a
creative way to engage with scientific concepts while reinforcing their understanding. This hands-on

activity allows students to visualize abstract ideas, map out processes, and deepen their comprehension through interactive design.

Project Based Assessments:
Students create a project to demonstrate their understanding of a science topic provides an opportunity for creativity, critical thinking, and application of skills. The project allows students to take ownership of their learning and showcase their mastery in an engaging and personalized way.
- Element Project: Students explore matter and the elements by creating a superhero or super villain.
- Ecosystem Project: Students demonstrate their understanding of ecosystems with a hands-on project that shows the interaction within the ecosystems
- Water Cycle Project: Students interact with the different parts of the water cycle and how they affect their lives
- Rockets: Student engineer and launch rockets participating in the design process of thinking