**2nd Grade Science Curriculum for Students with APD**

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**Key Strategies:**

 **Visual Supports**: Use diagrams, charts, and pictures to reinforce learning, ensuring instructions are clear and easy to follow.

 **Written Instructions**: Provide step-by-step written or visual guides alongside verbal instructions to reduce confusion and reliance on auditory input.

 **Hands-on Learning**: Incorporate practical experiments and activities to engage multiple senses and reduce the dependency on verbal instructions.

 **Minimize Auditory Overload**: Break down complex auditory information into smaller, more manageable chunks, using pauses and repetition as needed.

**Weeks 1-2**

* **Focus**: Weather Patterns
* **Activity**: Create a daily weather journal with pictures
* **Key Strategy**: Use visual and tactile weather tools

**Weeks 3-4**

* **Focus**: Earth’s Layers
* **Activity**: Build a 3D model of Earth’s layers with craft materials
* **Key Strategy**: Provide diagrams and written descriptions of Earth’s layers

**Weeks 5-6**

* **Focus**: Plant Growth
* **Activity**: Grow different types of beans and compare growth
* **Key Strategy**: Use visual aids and written logs for observations

**Weeks 7-8**

* **Focus**: Animal Habitats
* **Activity**: Create a habitat diorama for a chosen animal
* **Key Strategy**: Use pictorial guides to illustrate different habitats

**Weeks 9-10**

* **Focus**: Introduction to Ecosystems
* **Activity**: Build an ecosystem in a bottle
* **Key Strategy**: Provide step-by-step visual guides

**Weeks 11-12**

* **Focus**: Forces and Motion
* **Activity**: Experiment with different surfaces to see how they affect motion
* **Key Strategy**: Use written instructions and diagrams to explain experiments

**Weeks 13-14**

* **Focus**: Simple Machines
* **Activity**: Construct a pulley system with household items
* **Key Strategy**: Provide visual aids and written explanations

**Weeks 15-16**

* **Focus**: Introduction to Animals
* **Activity**: Create a booklet on animal adaptations
* **Key Strategy**: Use pictures and visual descriptions of animal features

**Weeks 17-18**

* **Focus**: Life Cycles of Insects
* **Activity**: Observe and document the life cycle of a butterfly
* **Key Strategy**: Provide visual charts and written logs

**Weeks 19-20**

* **Focus**: Water Cycle
* **Activity**: Create a visual representation of the water cycle using a clear bag and water
* **Key Strategy**: Use diagrams and visual aids to explain each stage

**Weeks 21-22**

* **Focus**: Plants and Soil
* **Activity**: Examine soil samples and plant seeds to observe growth
* **Key Strategy**: Use written observations and visual comparisons

**Weeks 23-24**

* **Focus**: Seasonal Changes
* **Activity**: Track and document seasonal changes in local plants and animals
* **Key Strategy**: Provide visual calendars and tracking sheets

**Weeks 25-26**

* **Focus**: Review and Project
* **Activity**: Create a project combining weather patterns, plant growth, and animal habitats
* **Key Strategy**: Offer visual examples and written rubrics for the project