



## Pacing Guide for Ohio Invention Convention **12 Weeks**

Week	Topic	Activity	Materials
1	Introduction to Inventing	Catalog Combo	Cutouts of products, blank paper, writing/color utensils
		What is invention? Explanation of the Invention Process Introduction to the Invention Log	Access to the internet Notebooks writing utensils (Note: once students are introduced to the Invention Log, they should have it with them every day.)
2	Introduction to Inventing	Top 10 Inventions	Invention logbook
3, 4	Identifying	SCAMPER Object Every Day Ask your Adults!	Everyday objects
		Object Every Day Discuss the problems they are hearing about	Everyday objects
5, 6	Understanding	Research your problem Does my solution already exist?	Access to the internet
		Does my solution already exist? Share findings with peers – seek feedback Introduction of the Judging Rubric	Access to the internet Copies of Judging Rubric
7	Designing	Take Apart	Wind-up toys to take apart

		Intent to Invent Draw your Model Seek feedback	Intent to Invent worksheet Blank paper – writing utensils
8	Building and Testing	Nuclear Waste/Garbage Spill	Materials for students to build with (e.g. construction paper, paper clips, clay, etc.)
		Build your Prototype	Building/craft materials
9		Test your Prototype	Completed student prototypes
10	Iterating	How can I Improve my Design? Time to Make Changes	Prototypes
11,12	Communicating	Display Board Design	Display boards, computer and printer access, scissors, glue
		What Should I Say? Script your Presentation	Paper and writing utensils or access to computer
		Practice Presentation with Peers	Prototype, display board, log