



4th Grade Science Curriculum & Pacing Guide



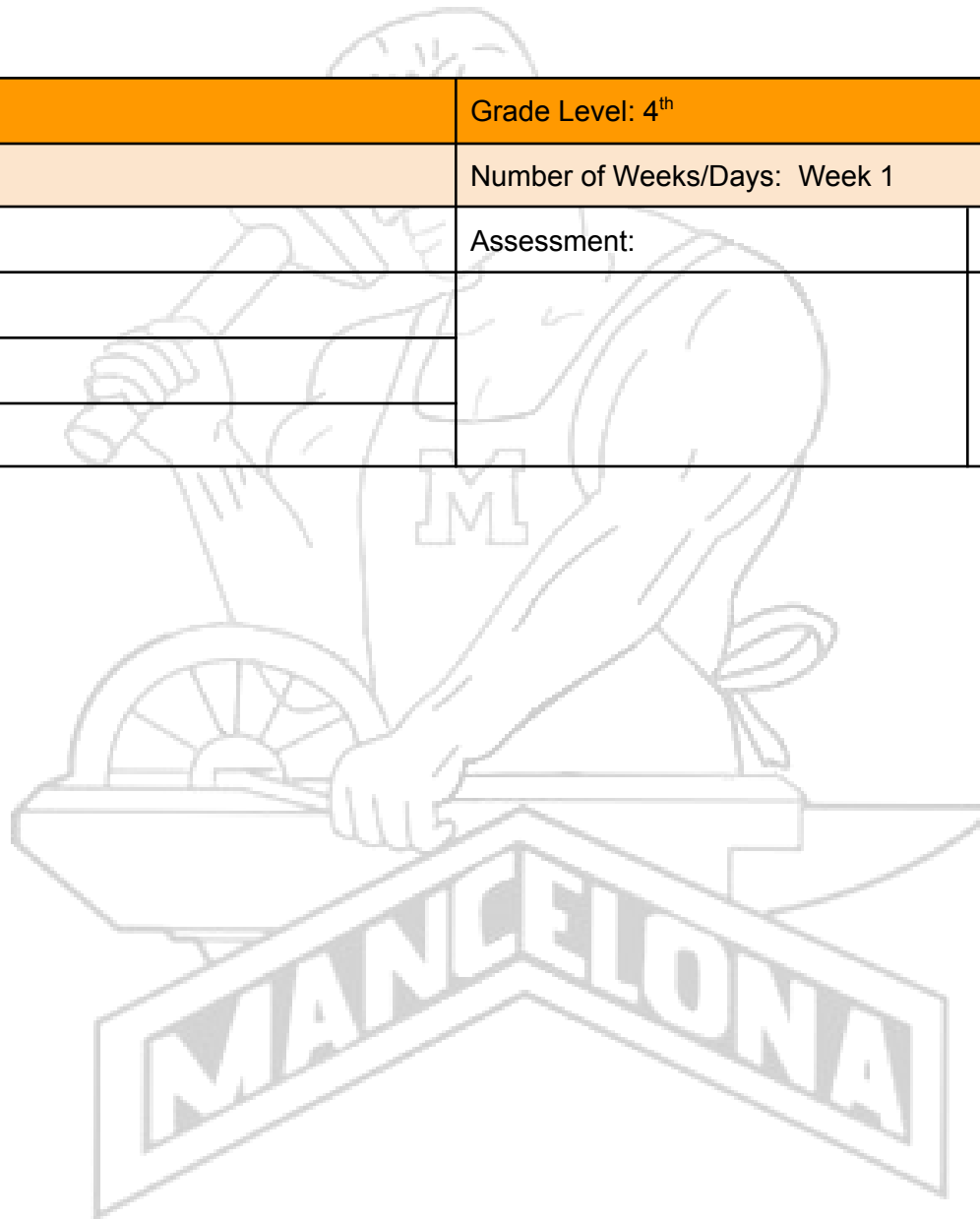
Content Area: Science		Grade Level: 4 th	
Title of Unit: Motion and Matter		Number of Weeks/Days: 11 Weeks	
Standards:		Assessment:	Resources:
<p>4-PS3-1 Use evidence to construct an explanation relating the speed of an object to the energy of that object</p> <p>4-PS3-2 Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents.</p> <p>4-PS3-3 Ask questions and predict outcomes about the changes in energy that occur when objects collide.</p> <p>4-PS3-4 Apply scientific ideas to design, test, and refine a device that converts energy from one form to another.</p> <p>4-PS4-1 Develop a model of waves to describe patterns in terms of amplitude and wavelength and that waves can cause objects to move</p> <p>4-PS4-2 Develop a model to describe that light reflecting from objects and entering the eye allows objects to be seen</p> <p>4-PS4-3 Generate and compare multiple solutions that use patterns to transfer information.*</p> <p>4-ESS3-1 Obtain and combine information to describe that energy and fuels are derived from natural resources and their uses affect the environment.</p> <p>3-5-ETS1-1 Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost</p> <p>3-5-ETS1-2 Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem</p> <p>3-5-ETS1-3 Plan and carry out fair tests in which variables are controlled and failure points are considered to identify aspects of a model or prototype that can be improved</p>			<p>Investigation 1: Energy and Circuits</p> <p>Investigation 2: The Force of Magnetism</p> <p>Investigation 3: Electromagnets</p> <p>Investigation 4: Energy Transfer</p> <p>Investigation 5: Waves</p> <p>Student edition & Online Resource</p> <p>Resources: https://www.nextgenscience.org/ https://thinklink.schoolspecialty.com/login</p>



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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 1	
Standards:	Assessment:	Resources:

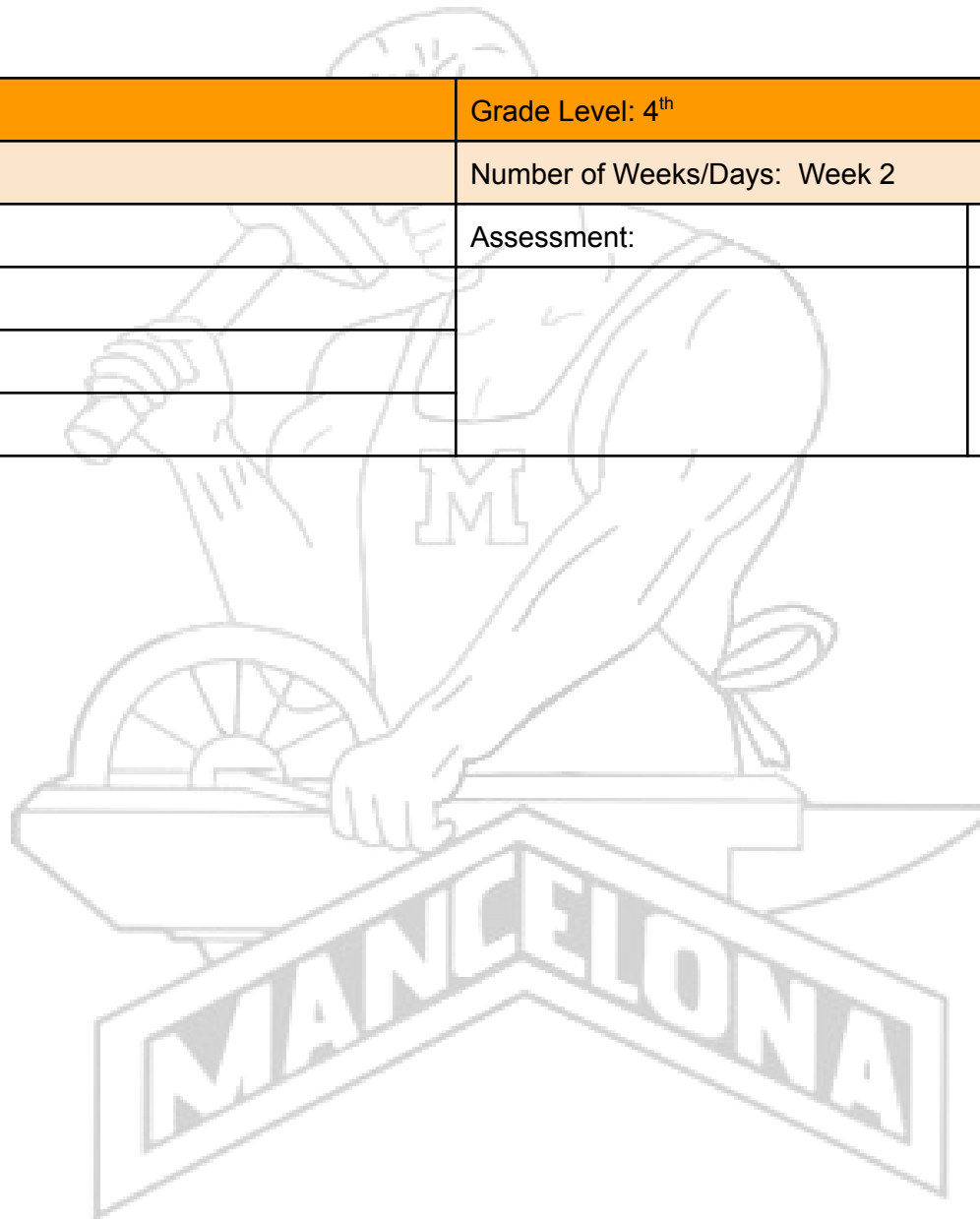




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 2	
Standards:	Assessment:	Resources:

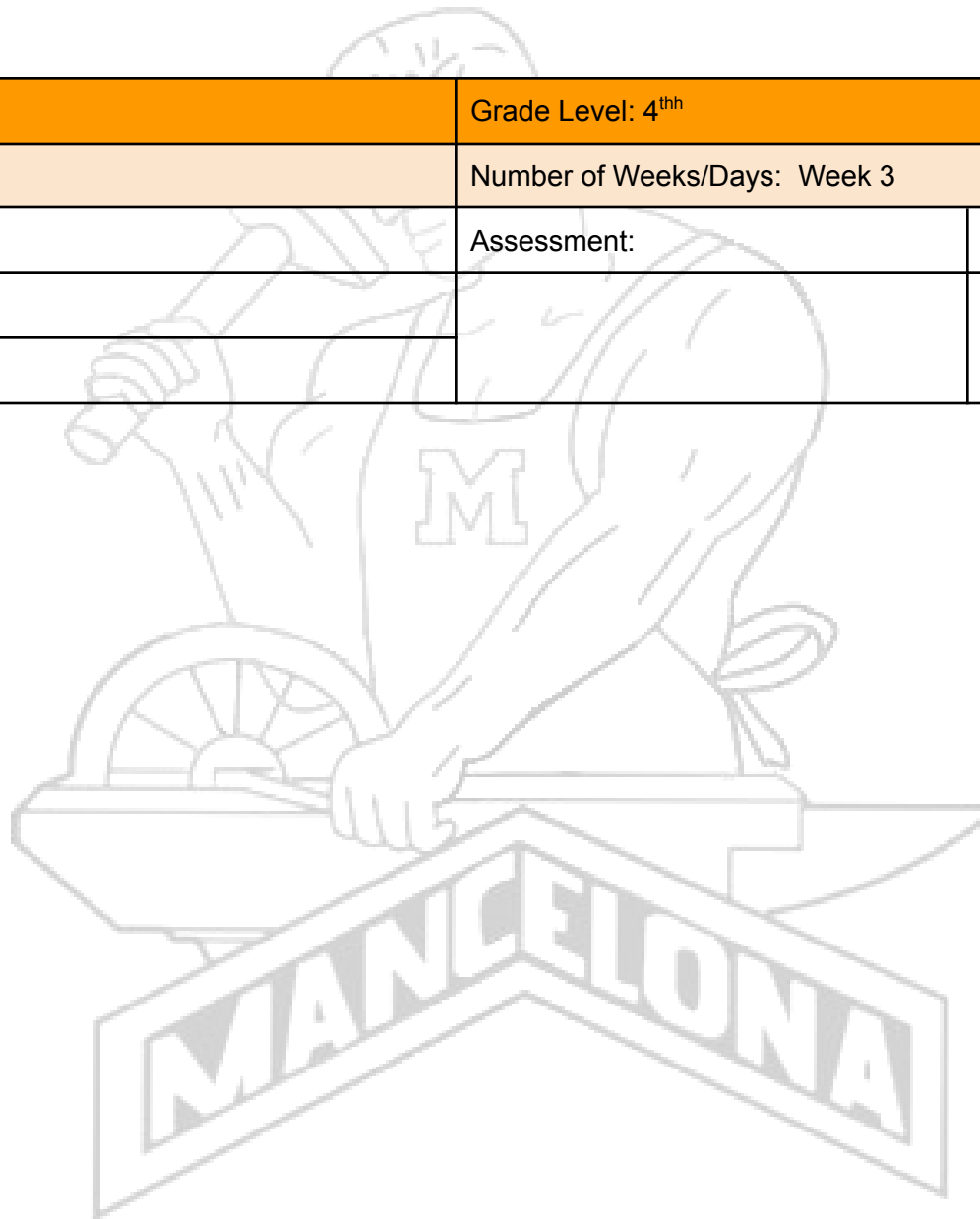




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 3	
Standards:	Assessment:	Resources:

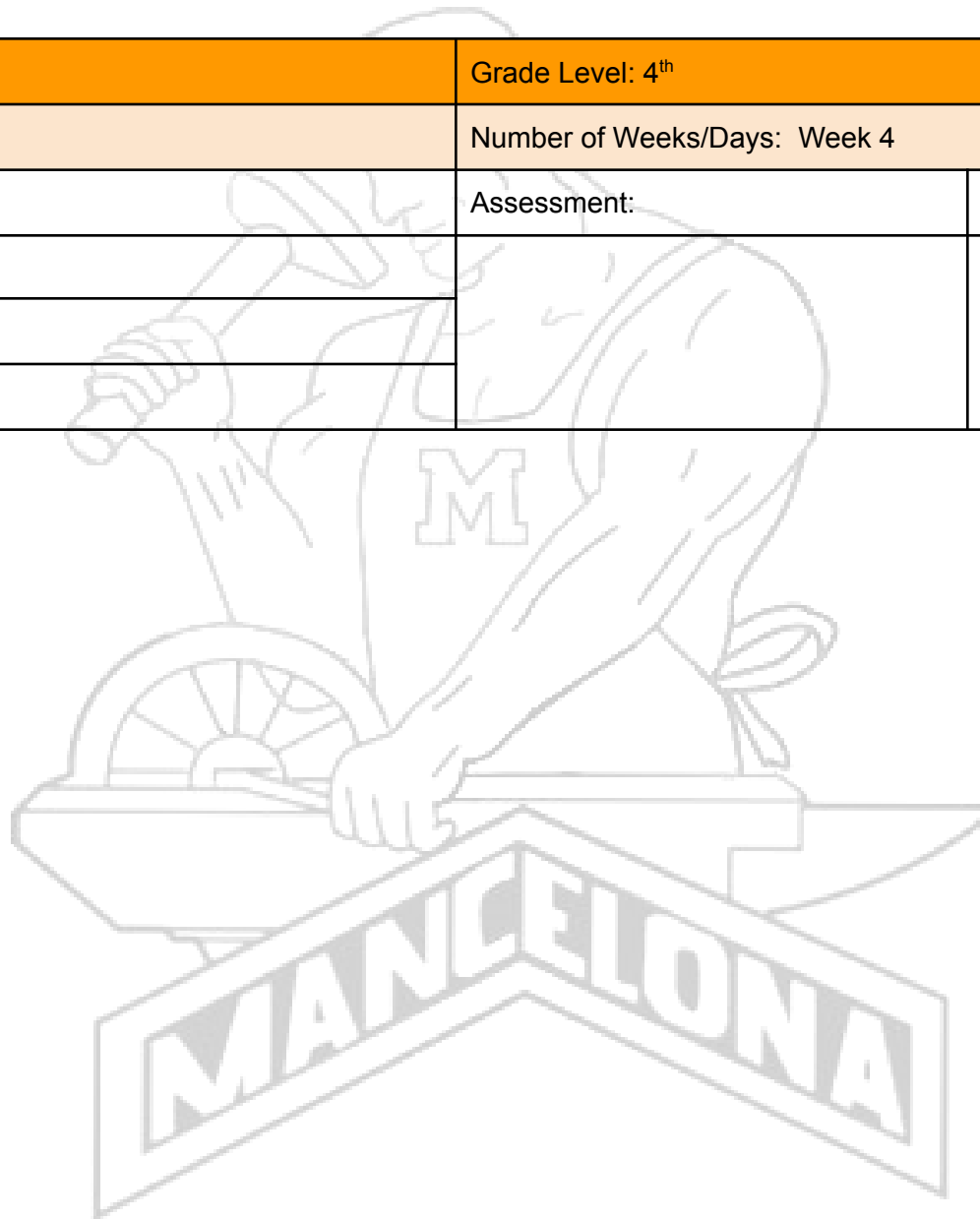




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 4	
Standards:	Assessment:	Resources:

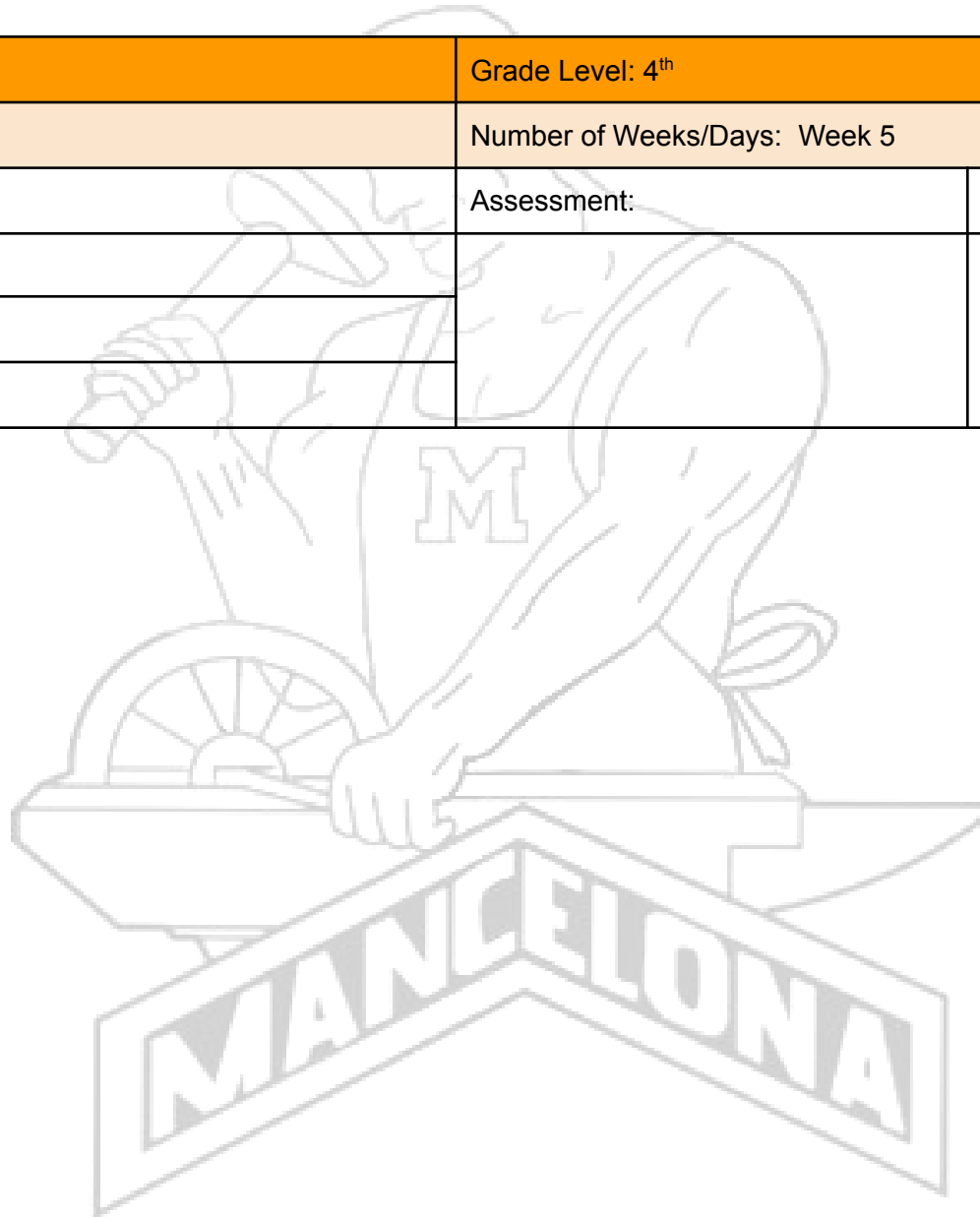




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 5	
Standards:	Assessment:	Resources:

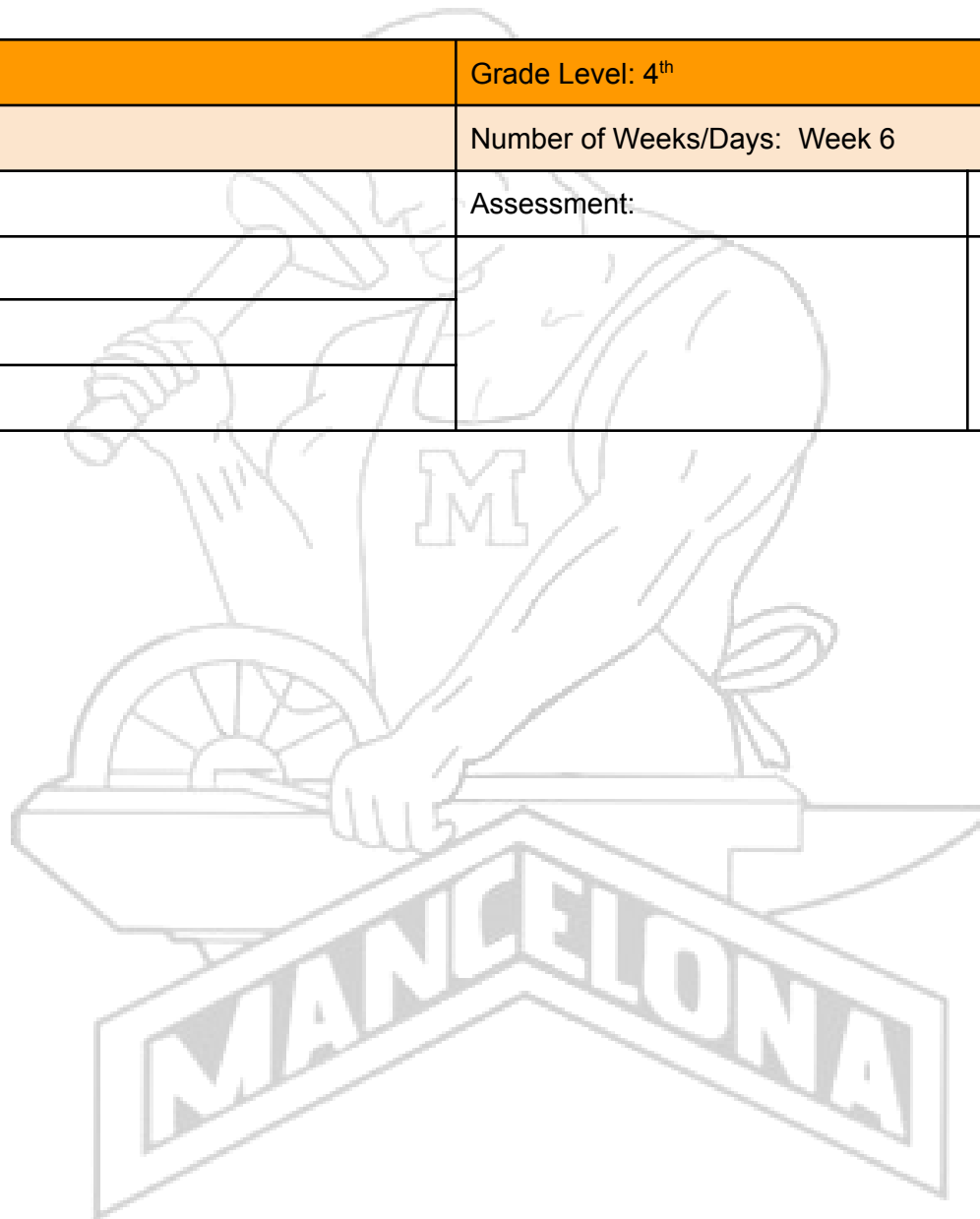




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 6	
Standards:	Assessment:	Resources:

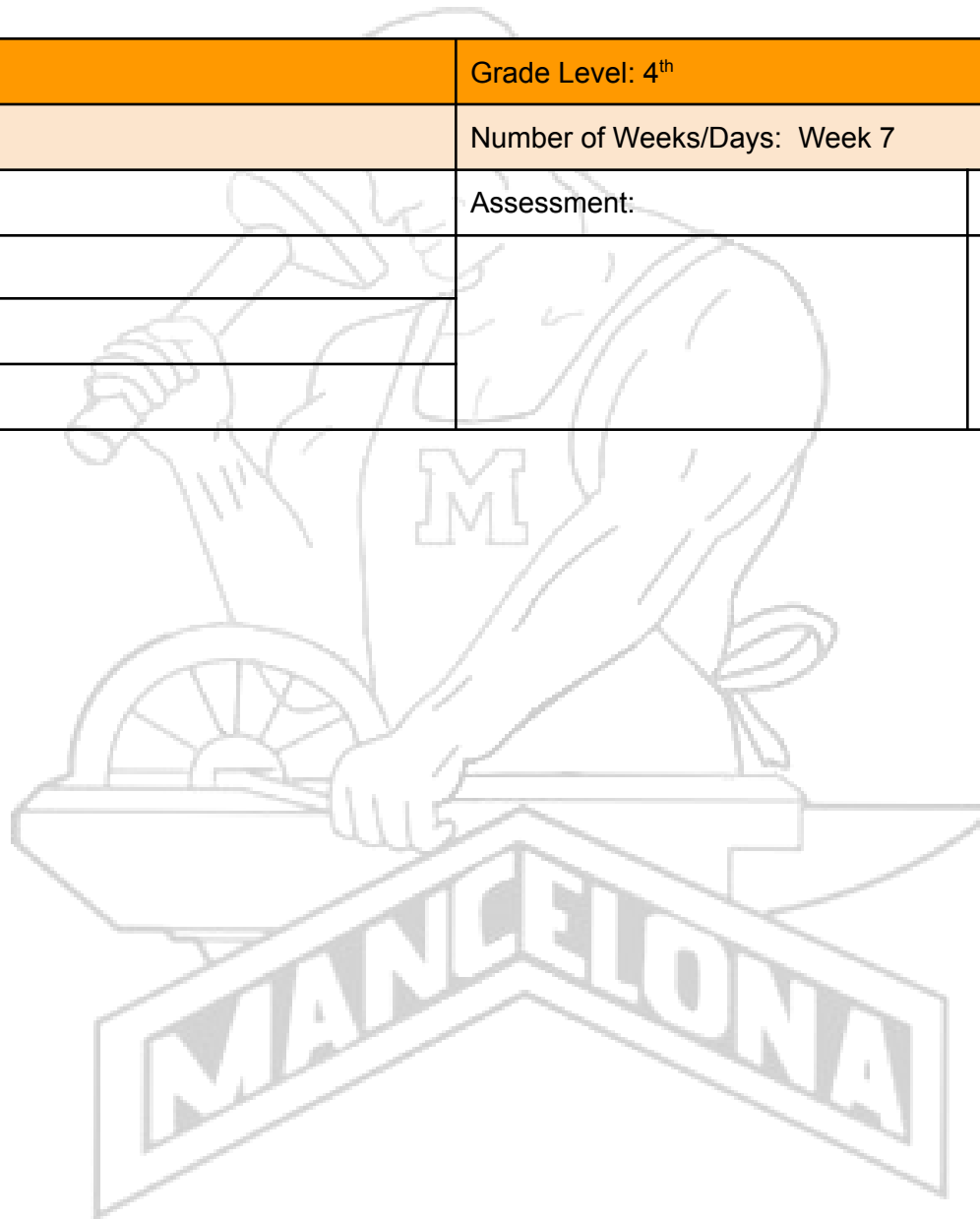




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 7	
Standards:	Assessment:	Resources:

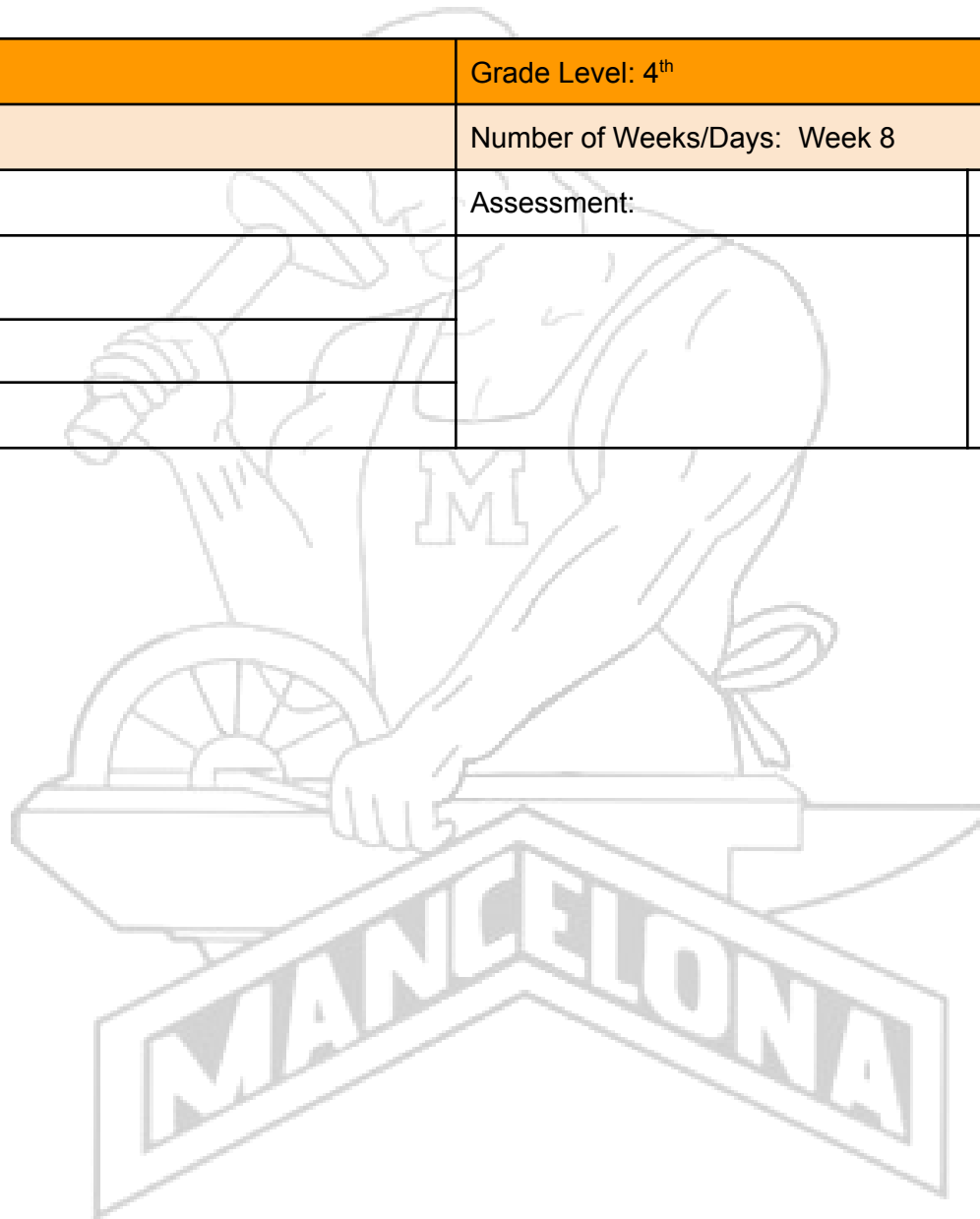




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 8	
Standards:	Assessment:	Resources:

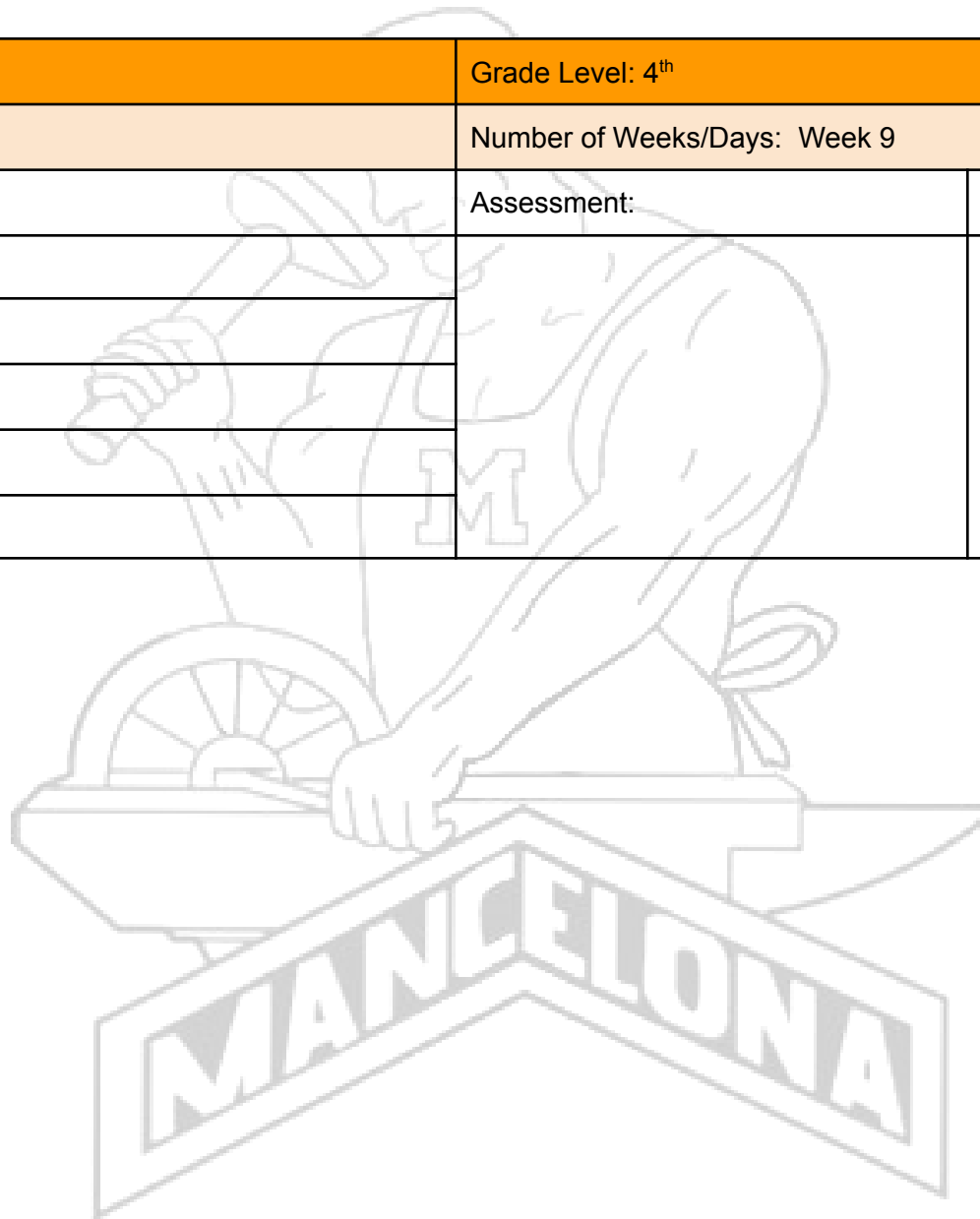




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 9	
Standards:	Assessment:	Resources:

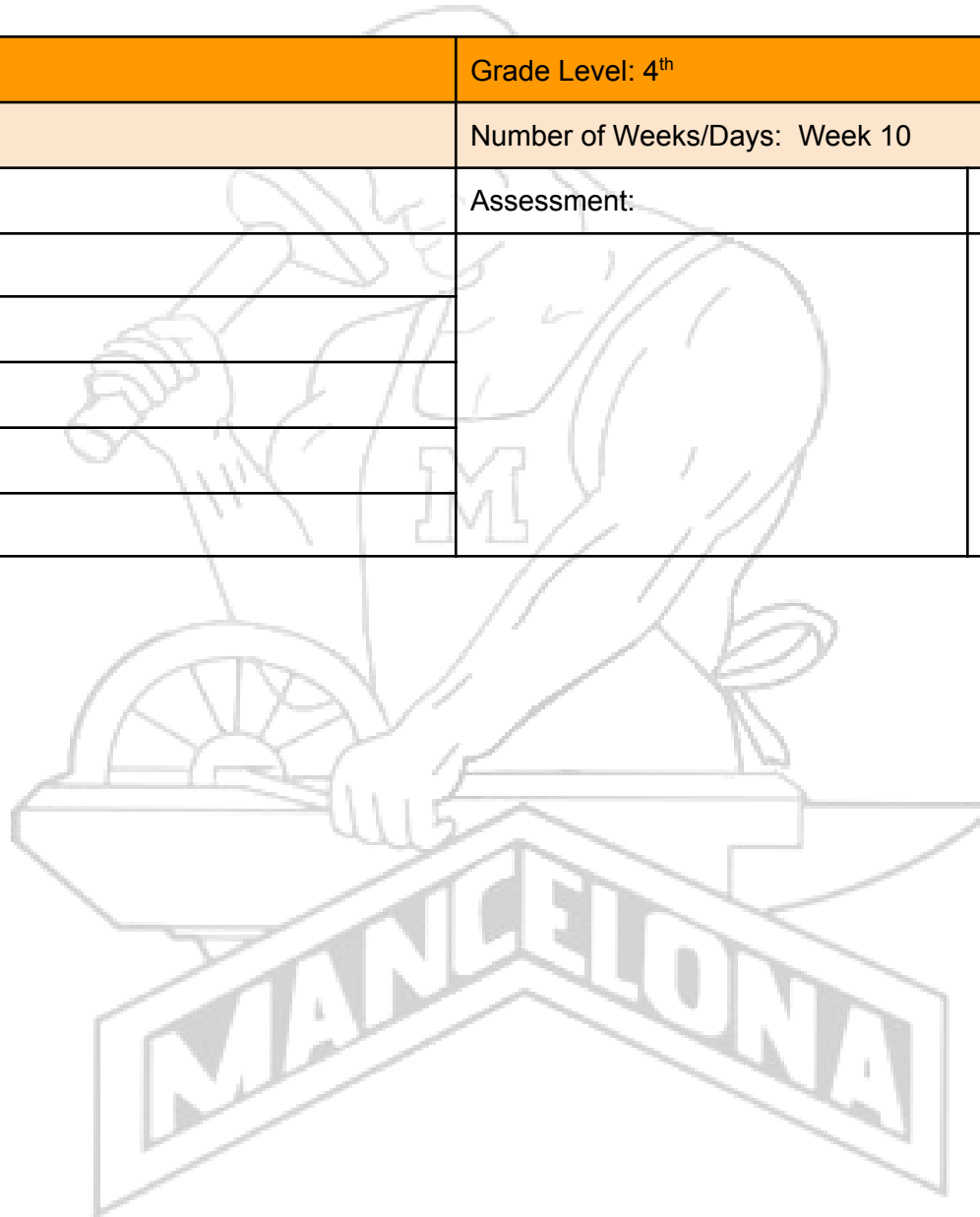




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 10	
Standards:	Assessment:	Resources:

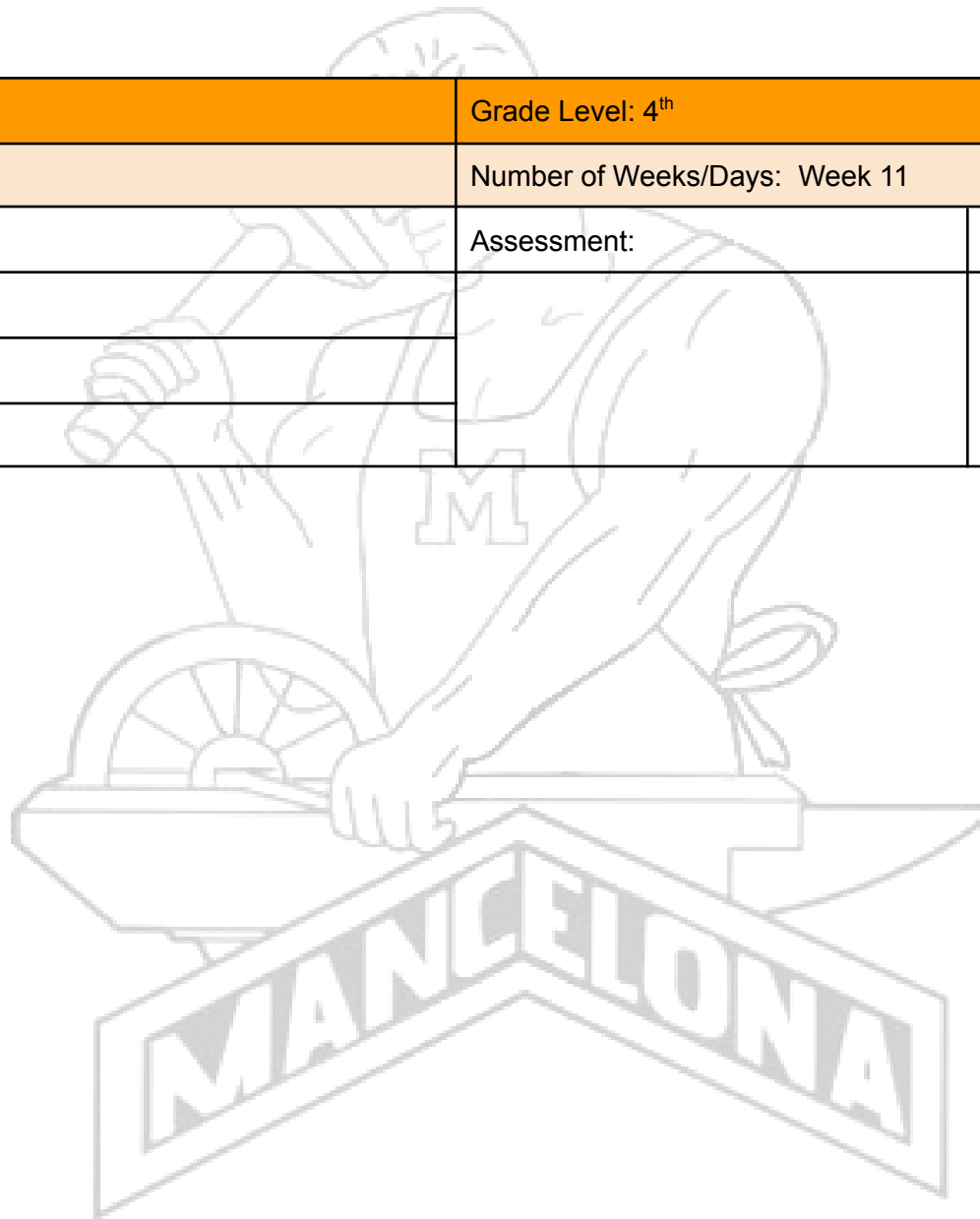




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 11	
Standards:	Assessment:	Resources:

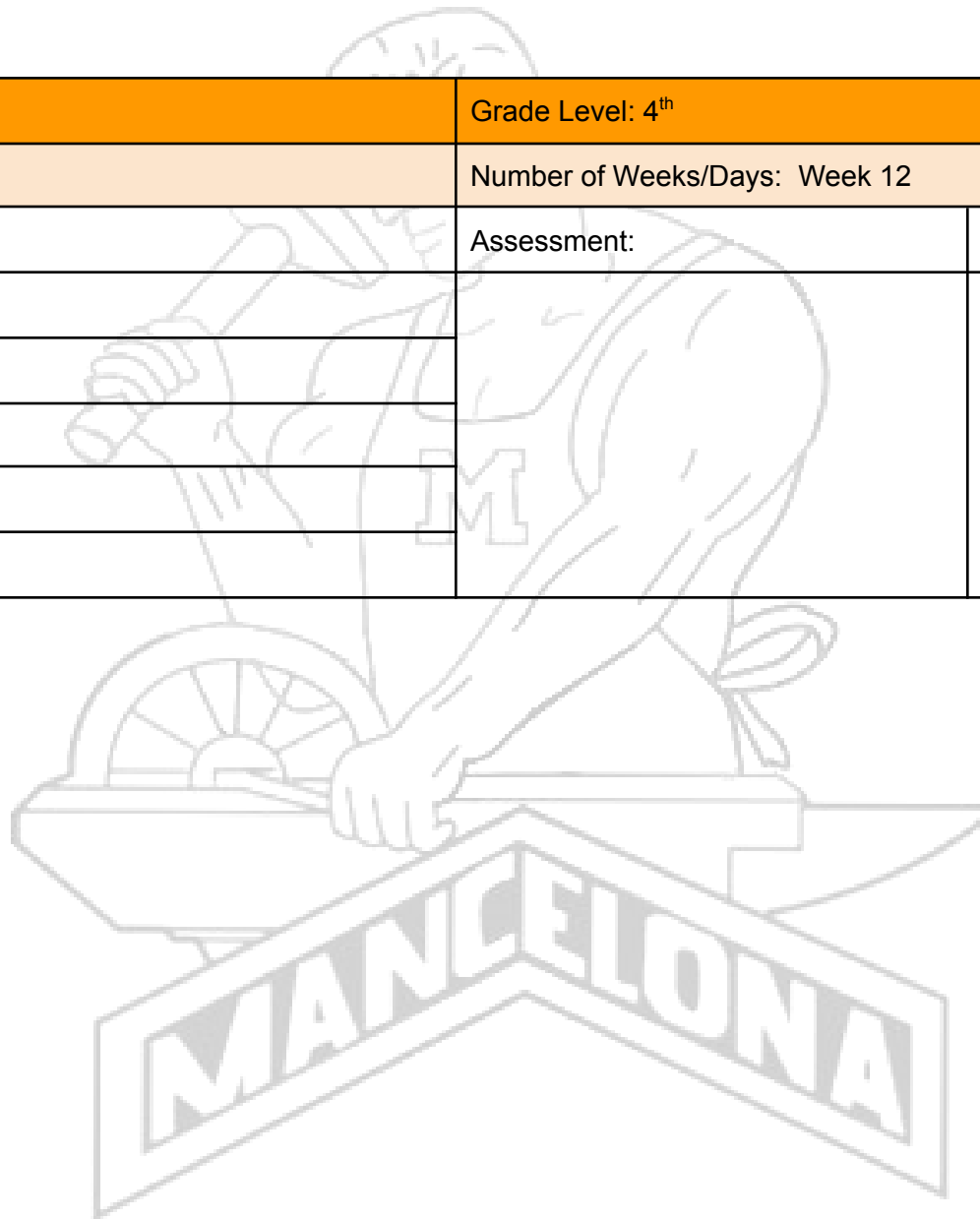




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 12	
Standards:	Assessment:	Resources:

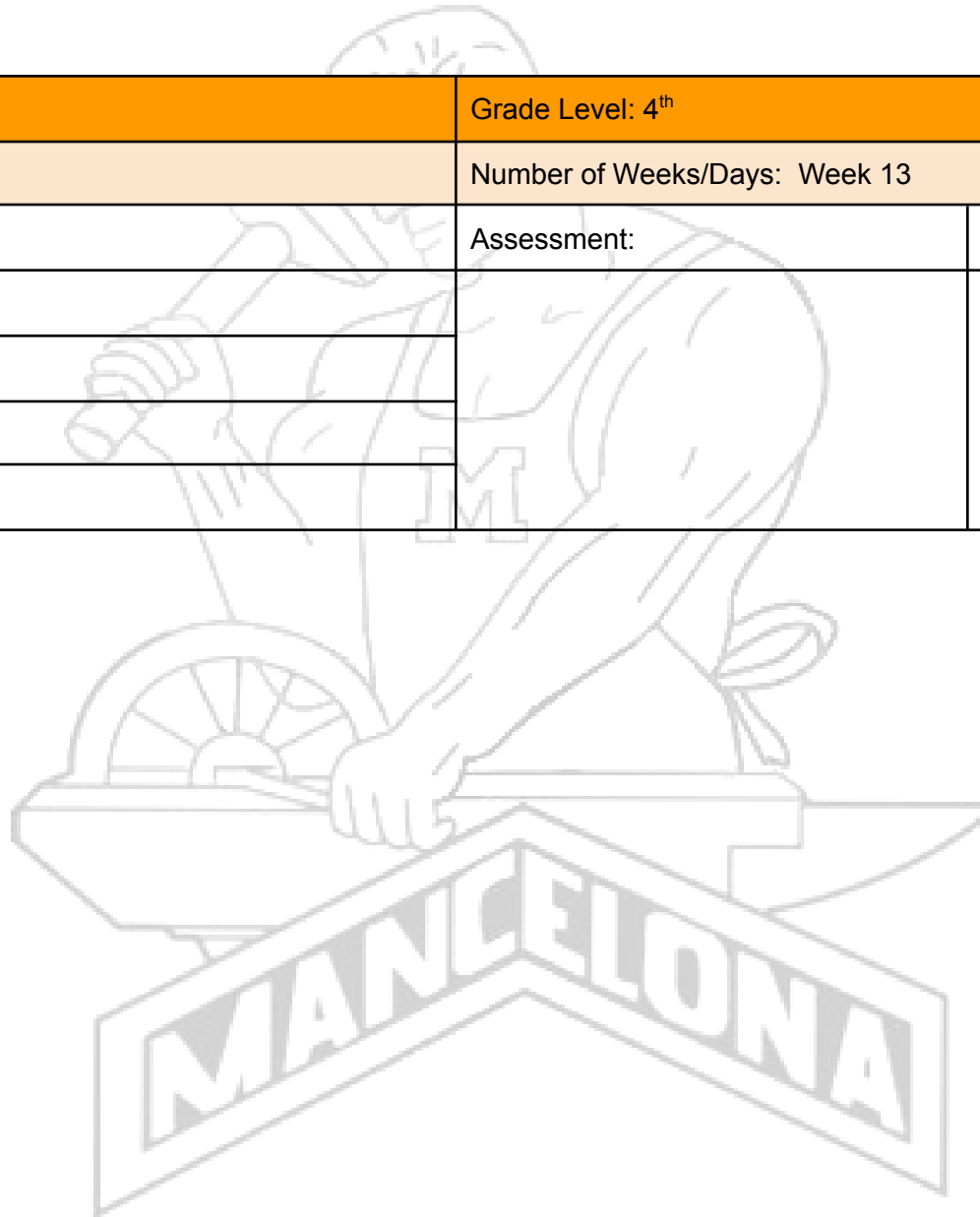




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 13	
Standards:	Assessment:	Resources:

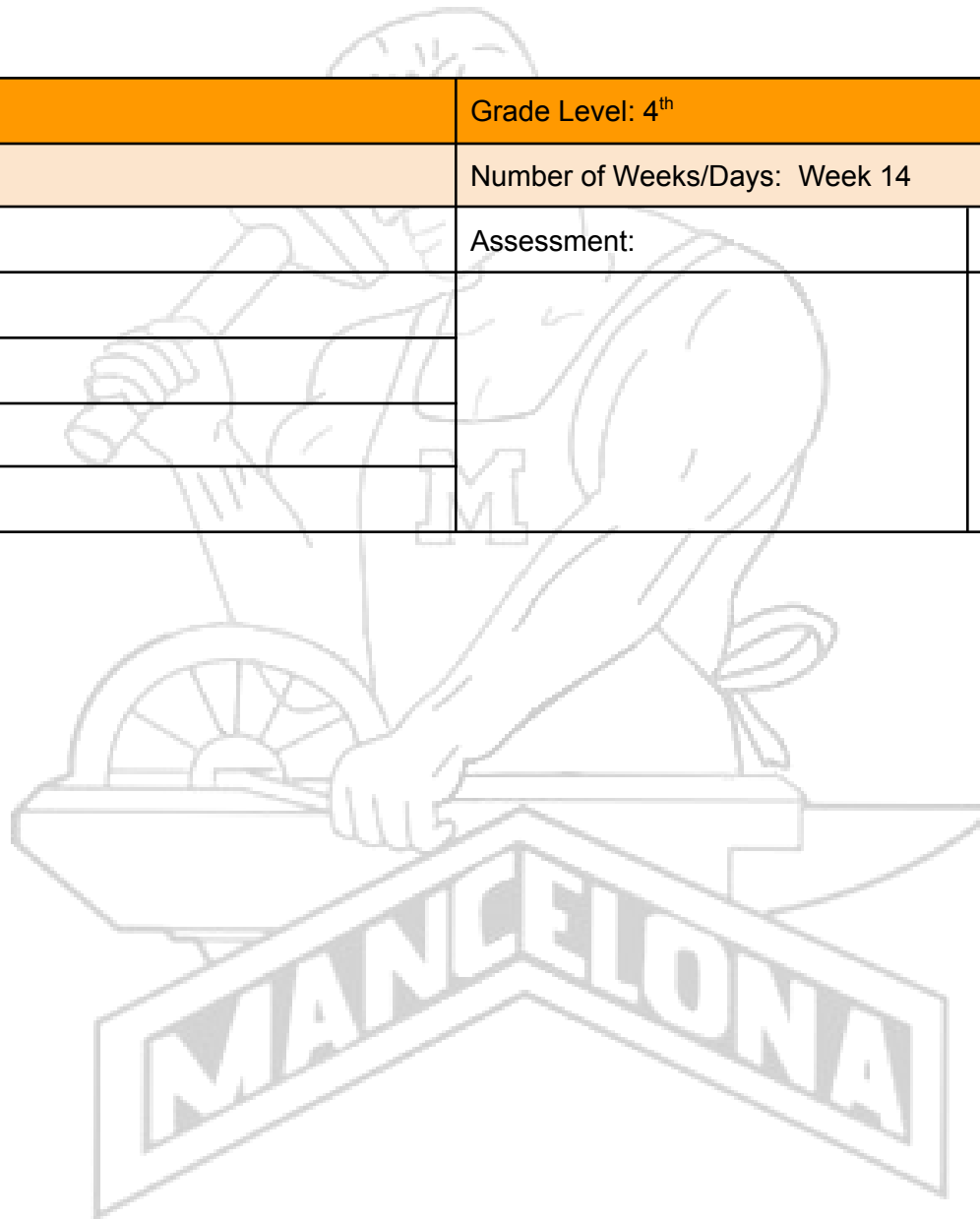




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 14	
Standards:	Assessment:	Resources:

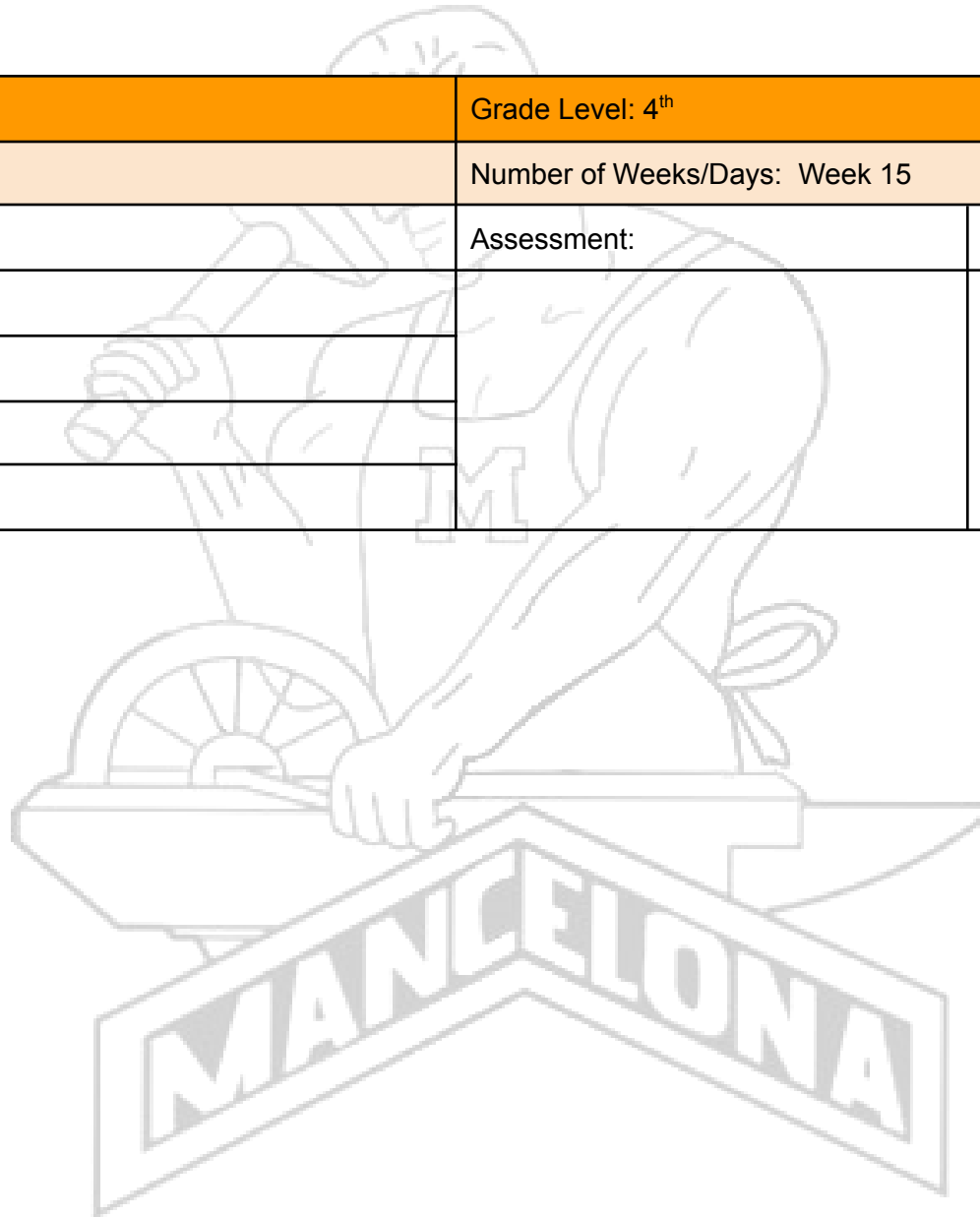




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 15	
Standards:	Assessment:	Resources:

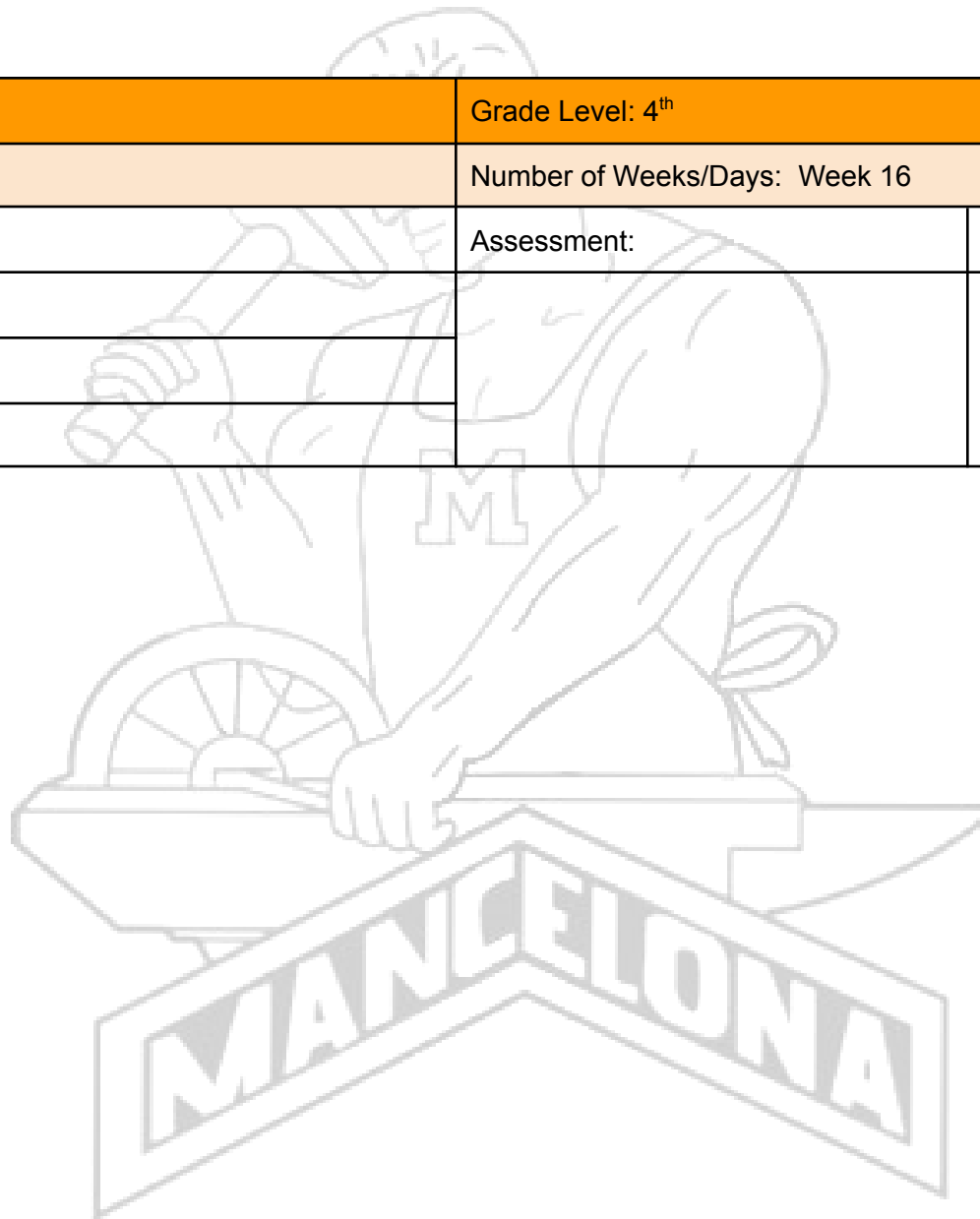




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 16	
Standards:	Assessment:	Resources:

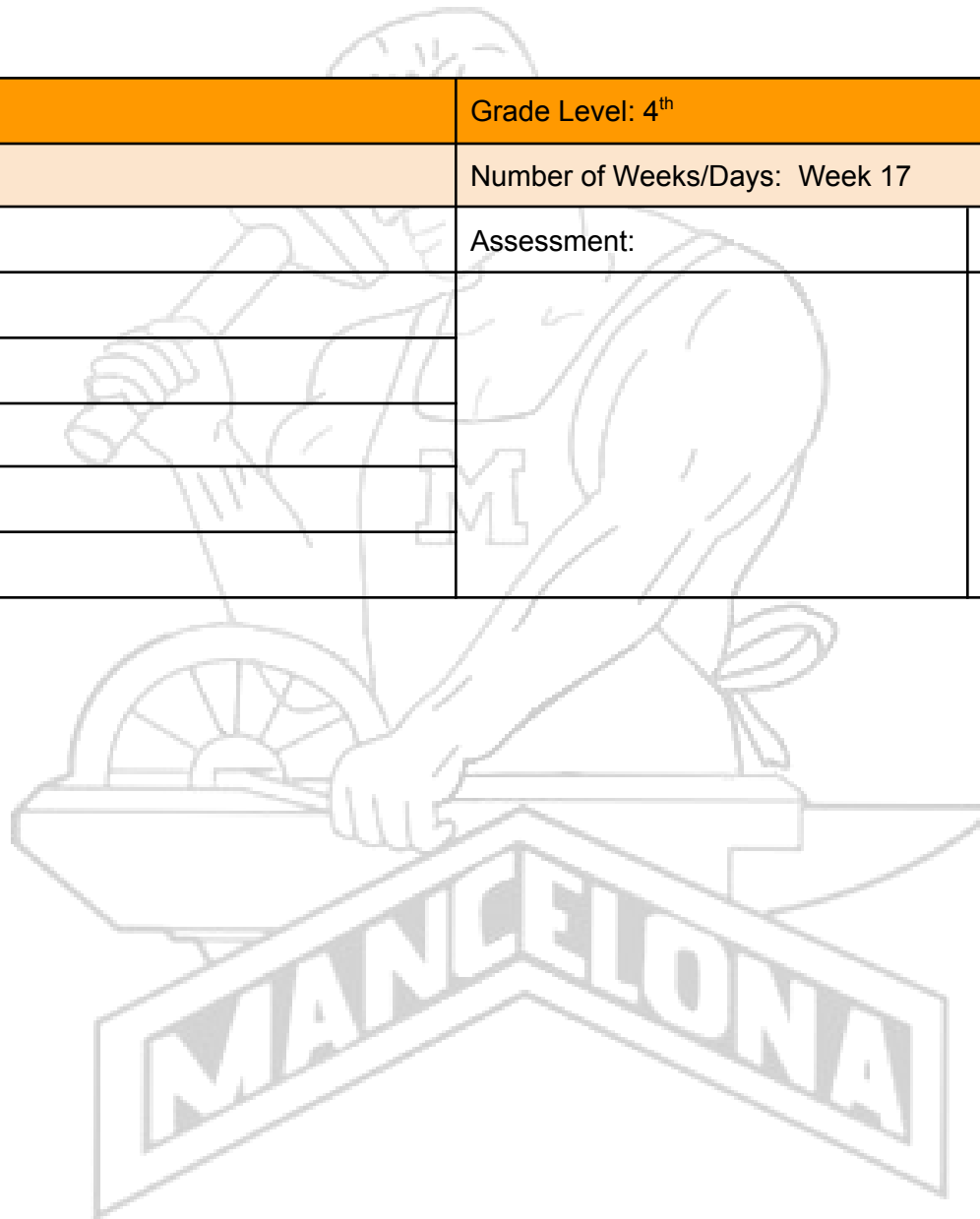




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 17	
Standards:	Assessment:	Resources:

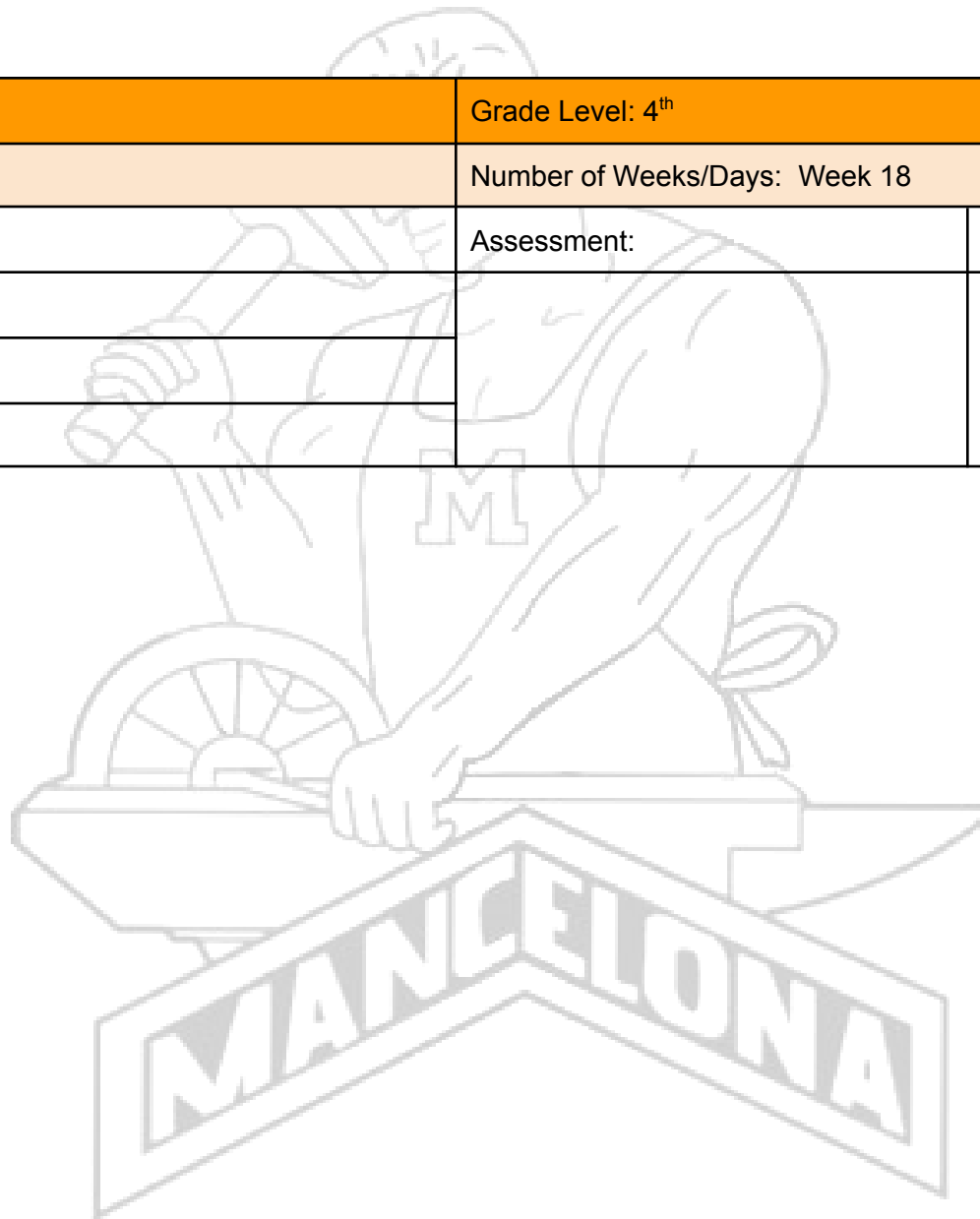




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 18	
Standards:	Assessment:	Resources:

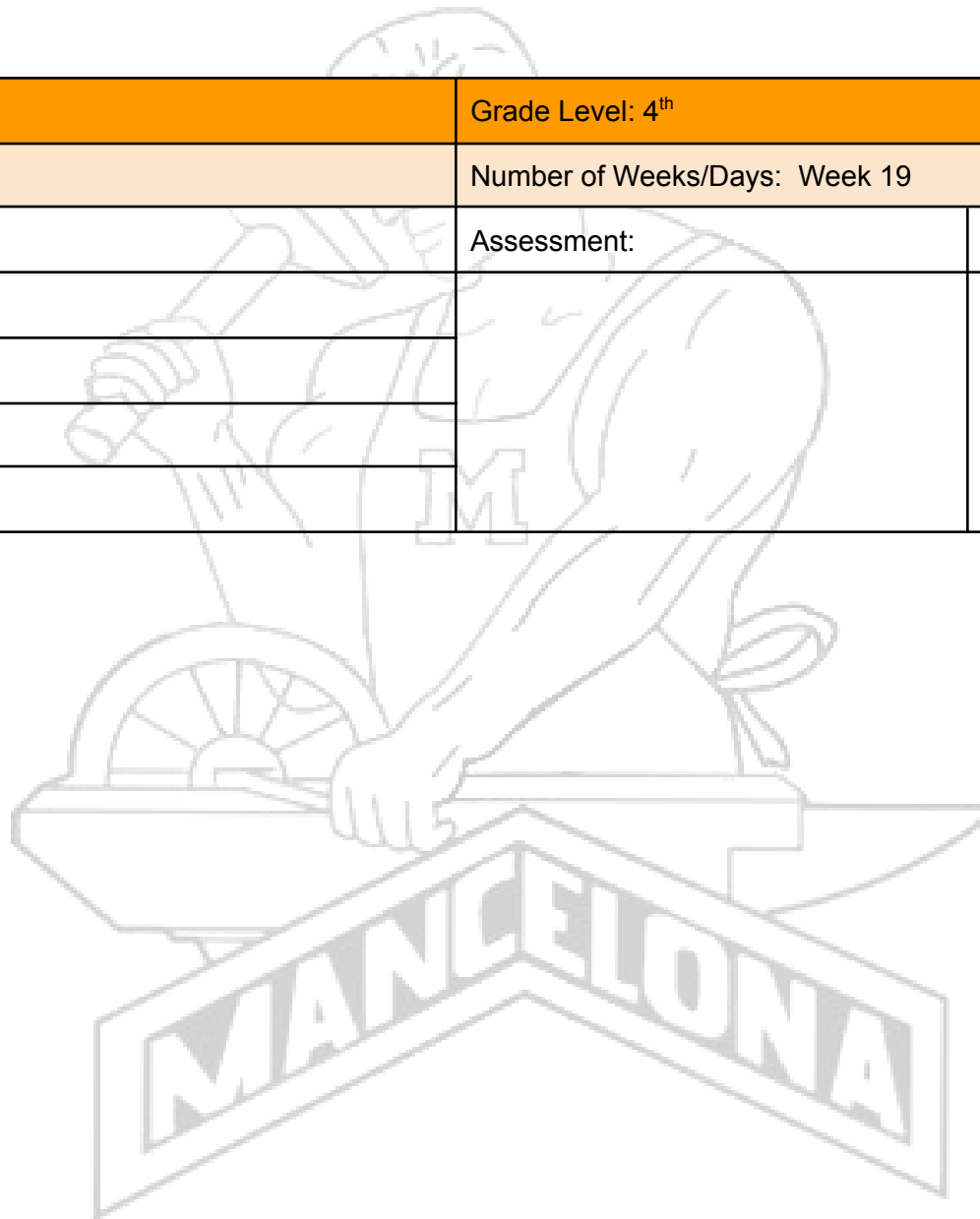




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 19	
Standards:	Assessment:	Resources:

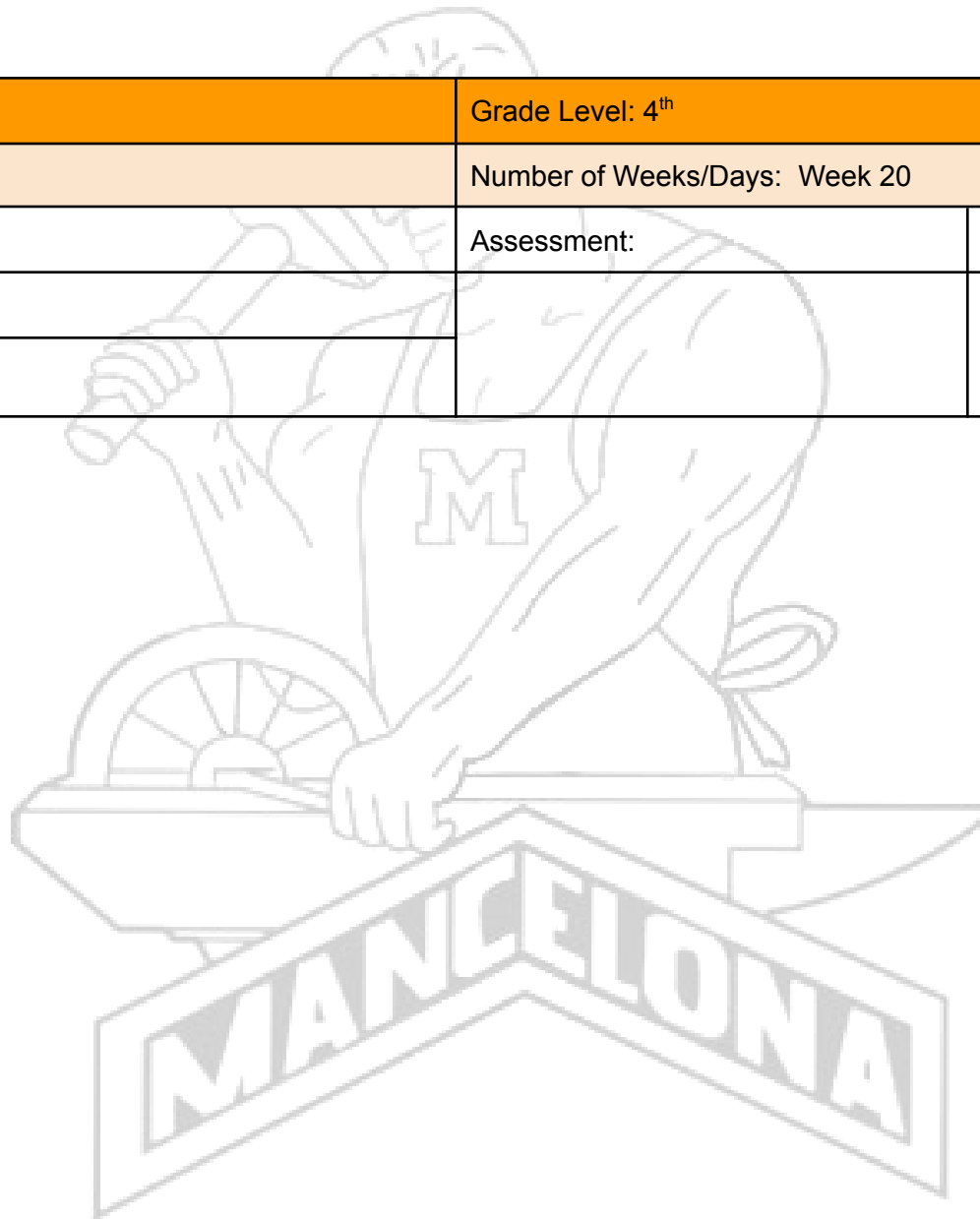




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 20	
Standards:	Assessment:	Resources:

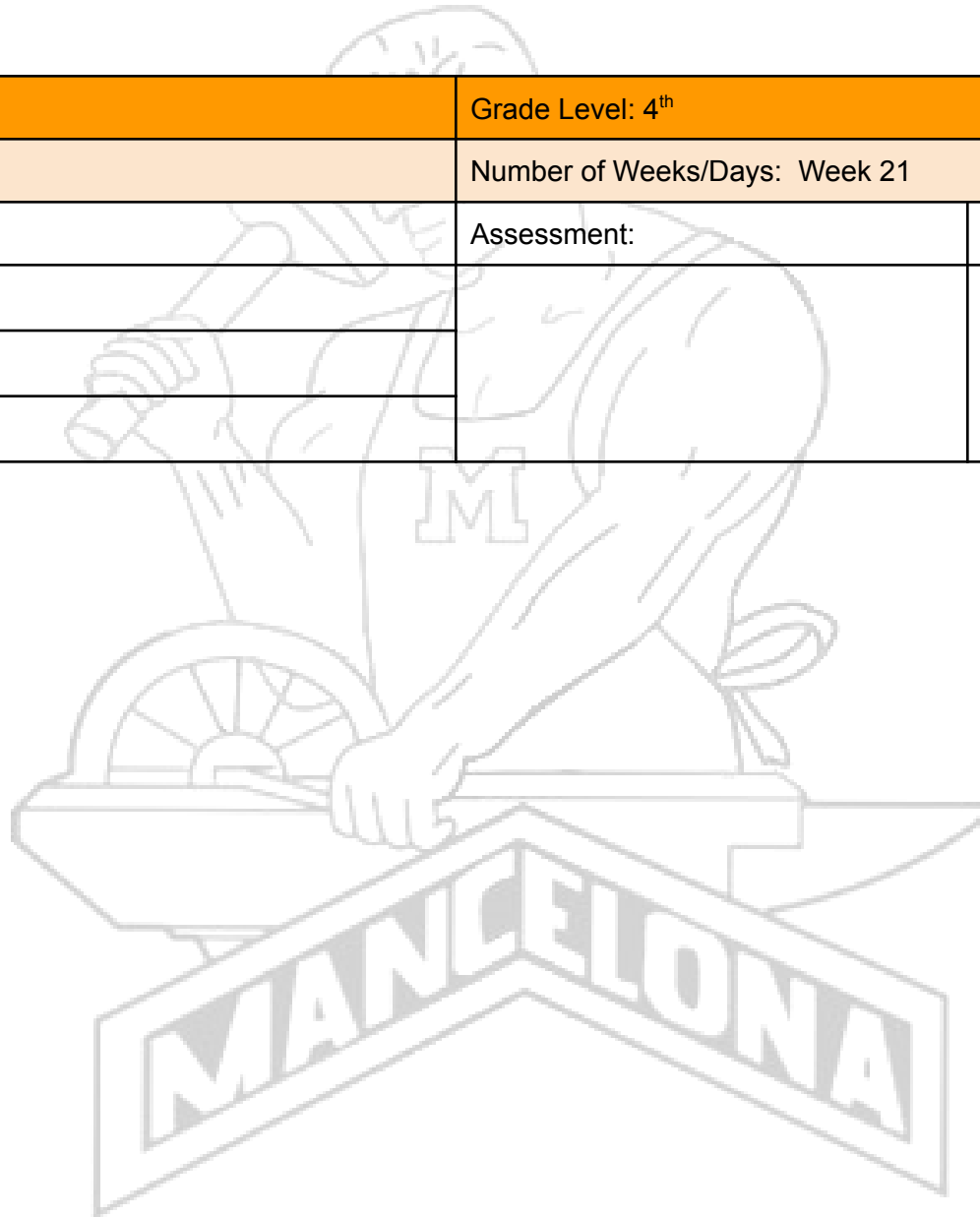




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 21	
Standards:	Assessment:	Resources:

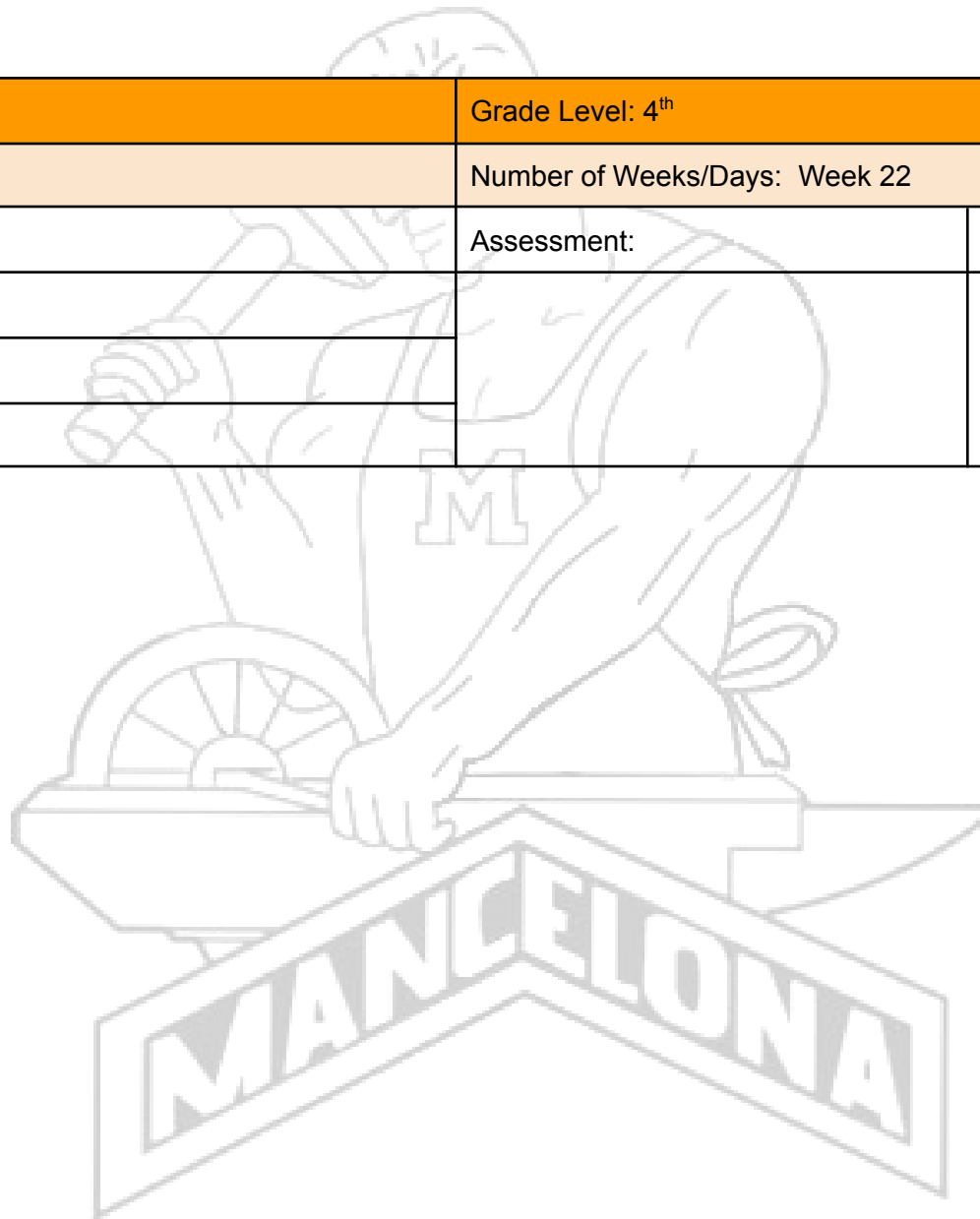




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 22	
Standards:	Assessment:	Resources:

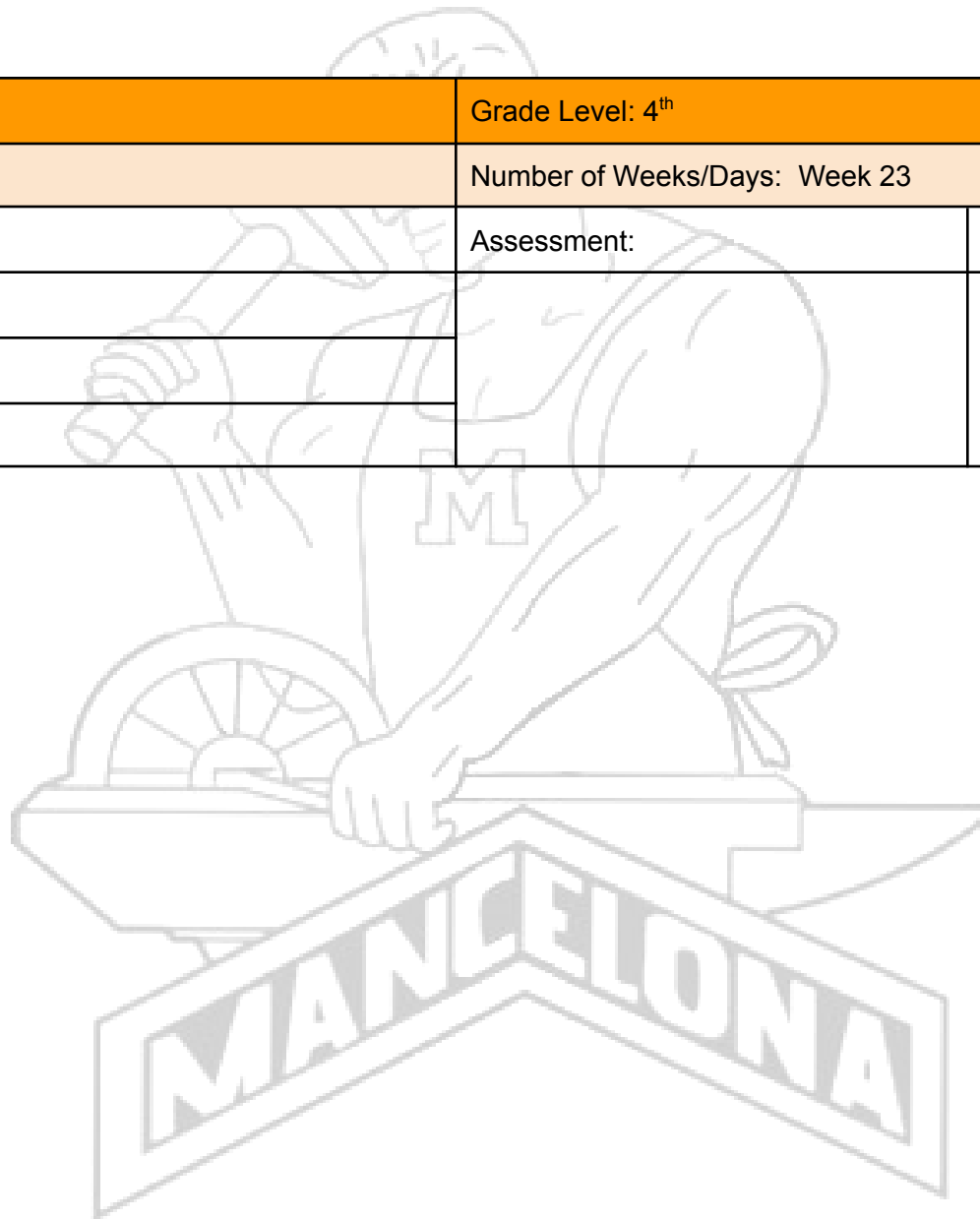




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Content Area: Science	Grade Level: 4 th	
Title of Unit: 1st	Number of Weeks/Days: Week 23	
Standards:	Assessment:	Resources:

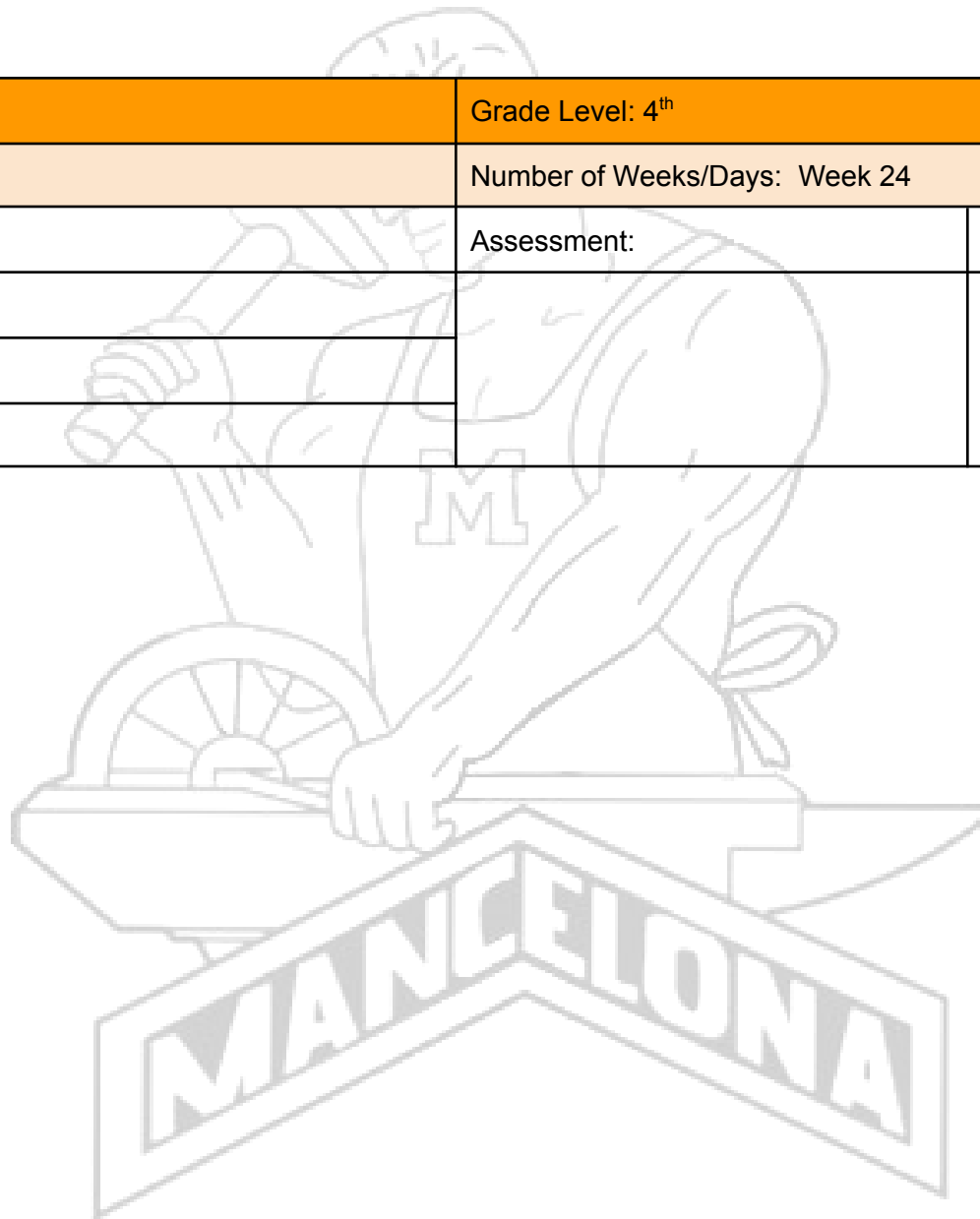




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 24	
Standards:	Assessment:	Resources:

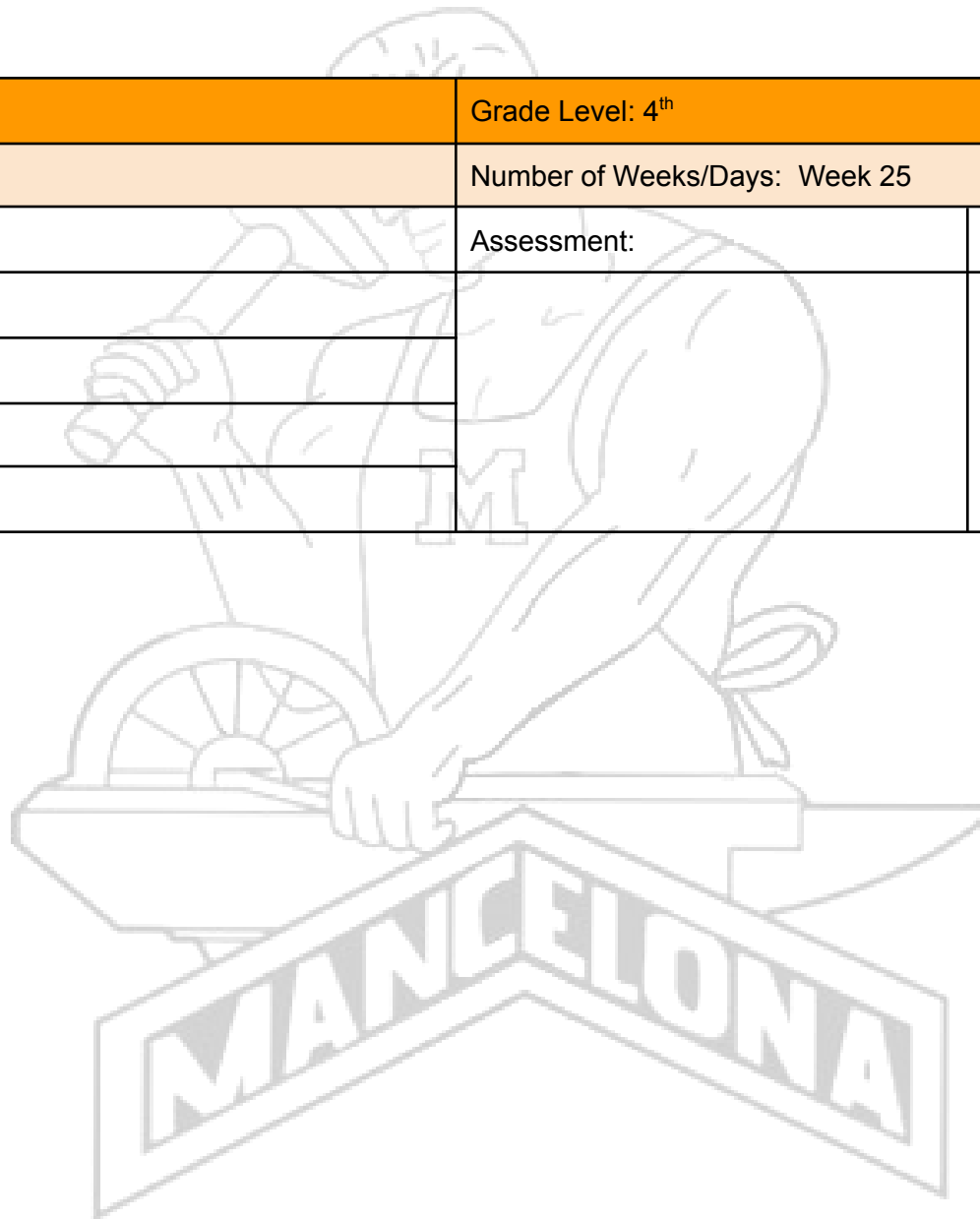




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 25	
Standards:	Assessment:	Resources:

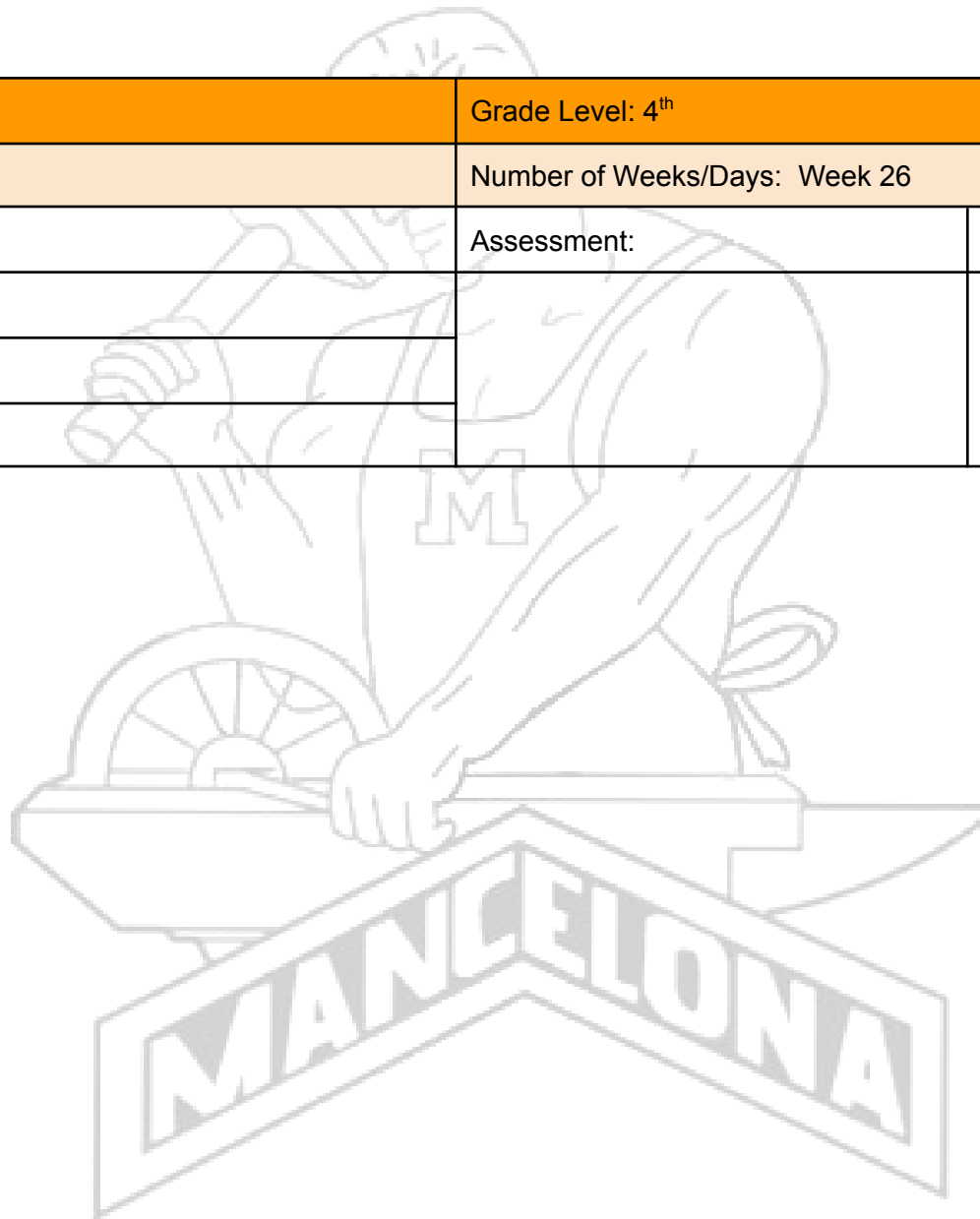




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 26	
Standards:	Assessment:	Resources:

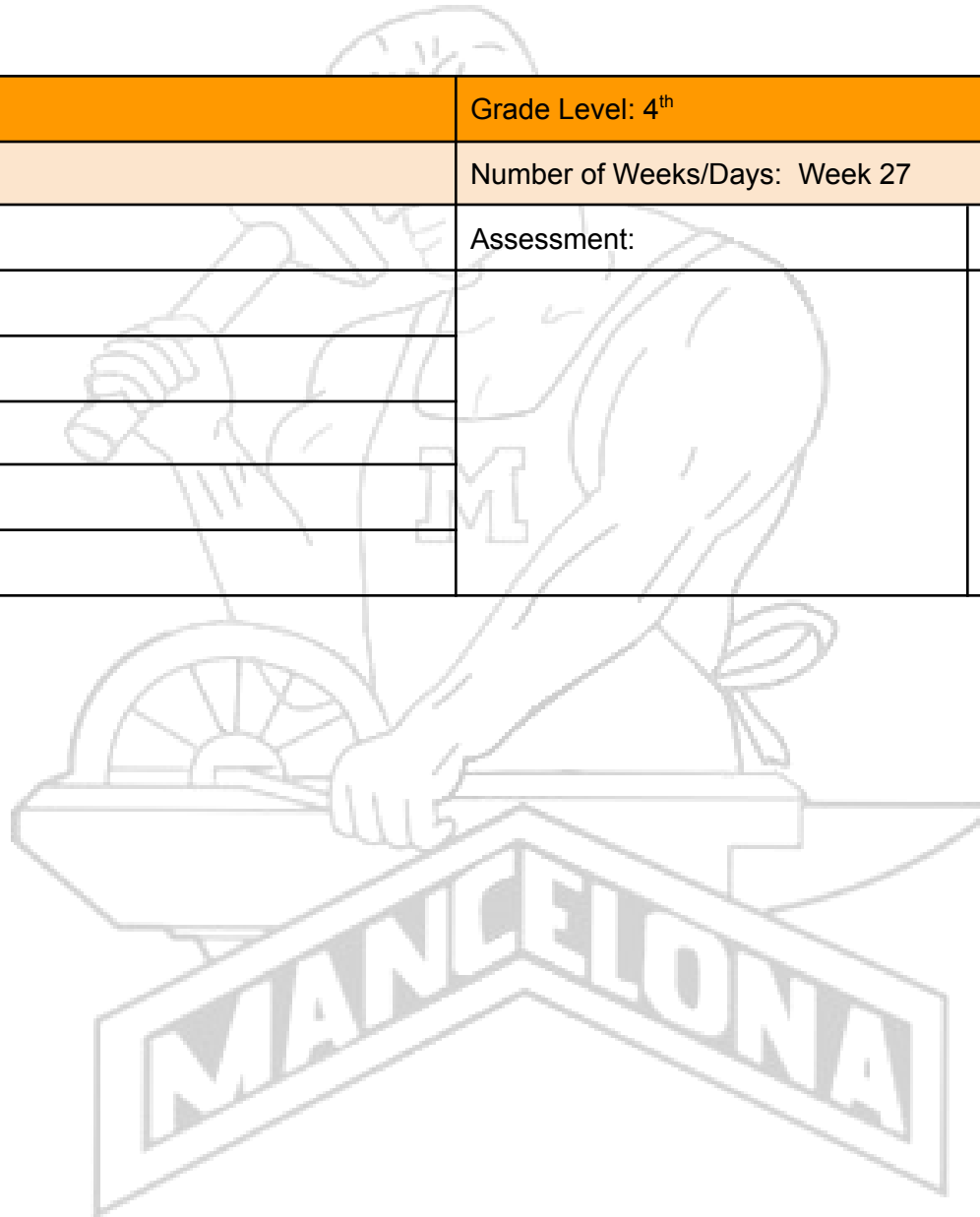




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 27	
Standards:	Assessment:	Resources:

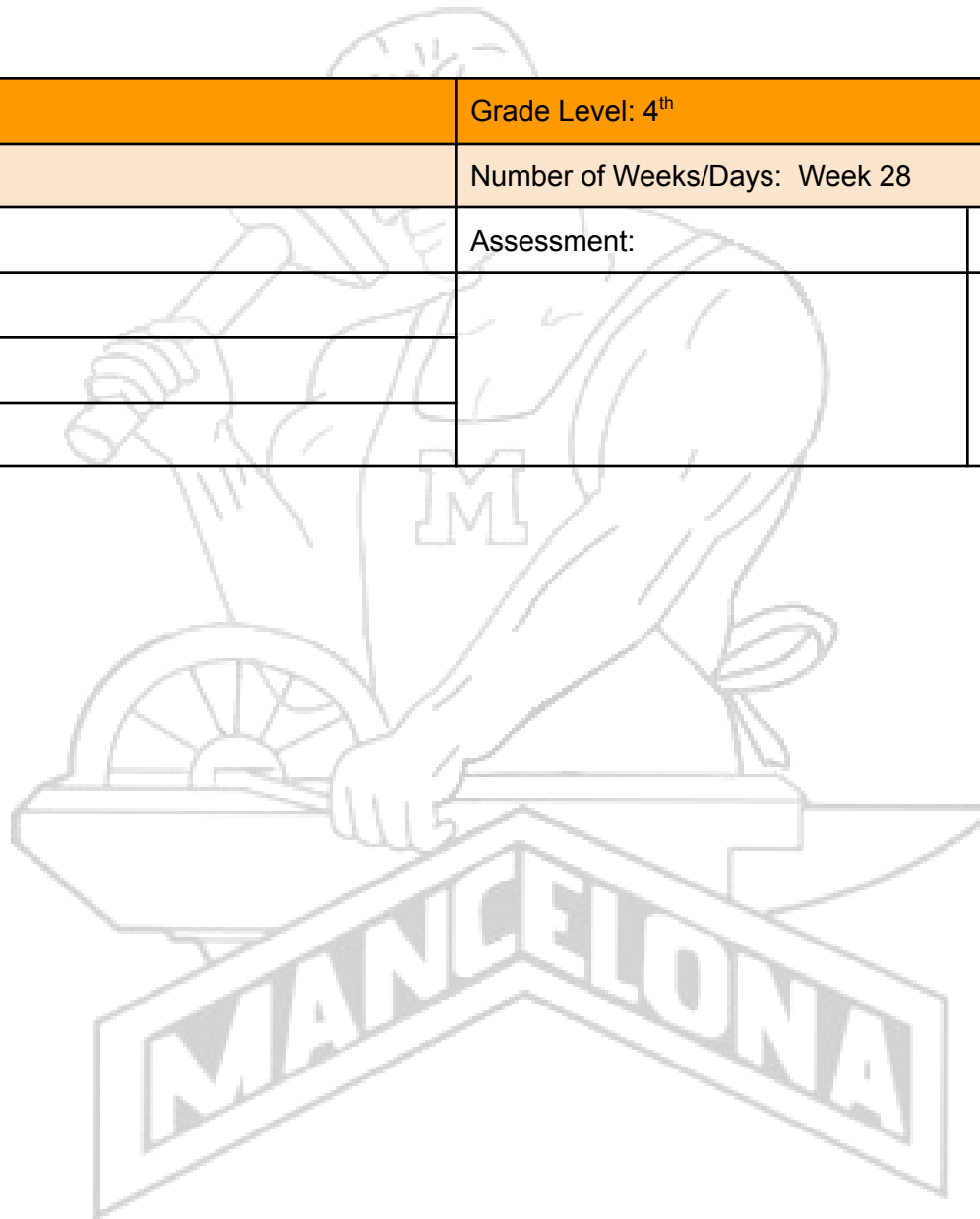




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 28	
Standards:	Assessment:	Resources:

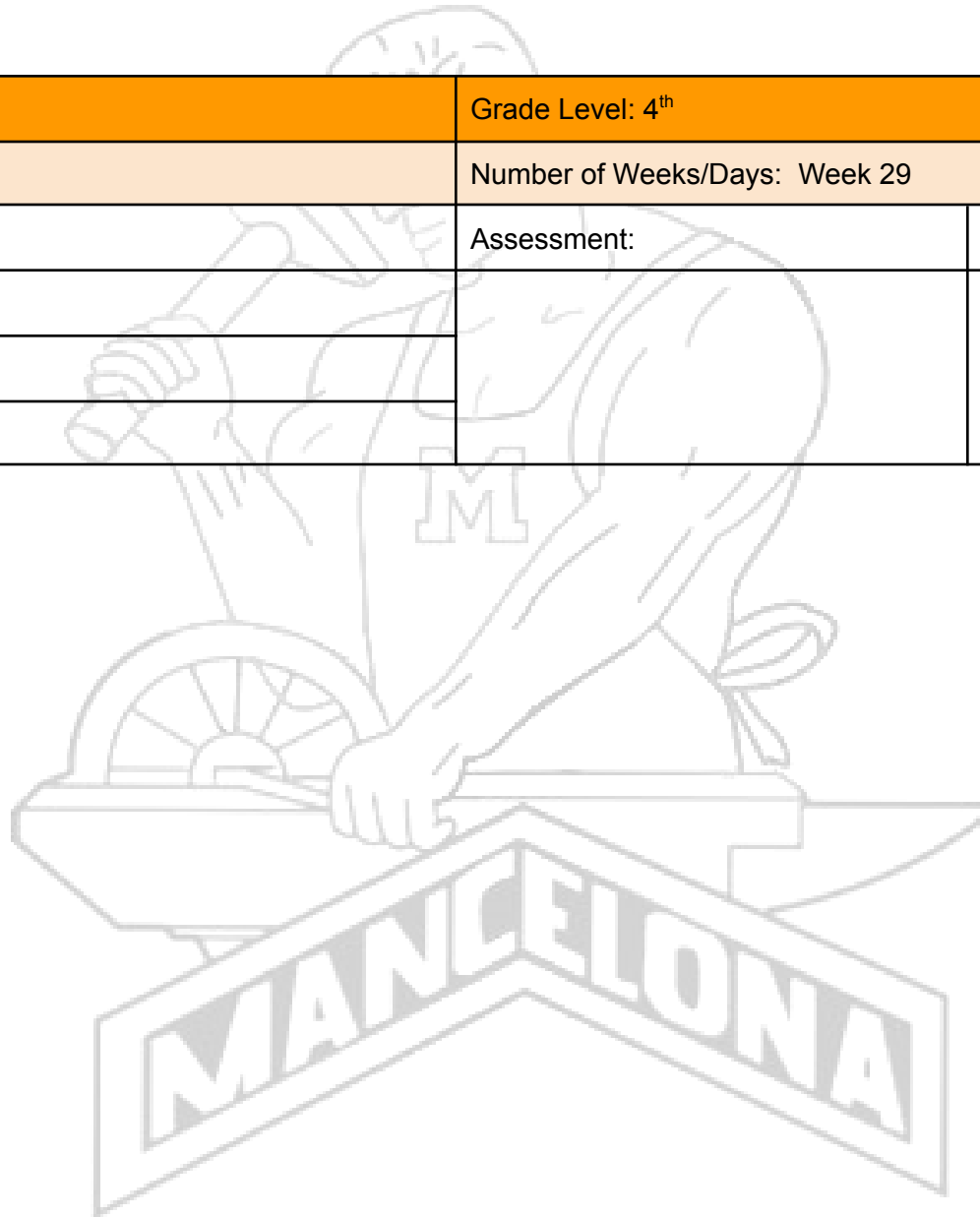




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 29	
Standards:	Assessment:	Resources:

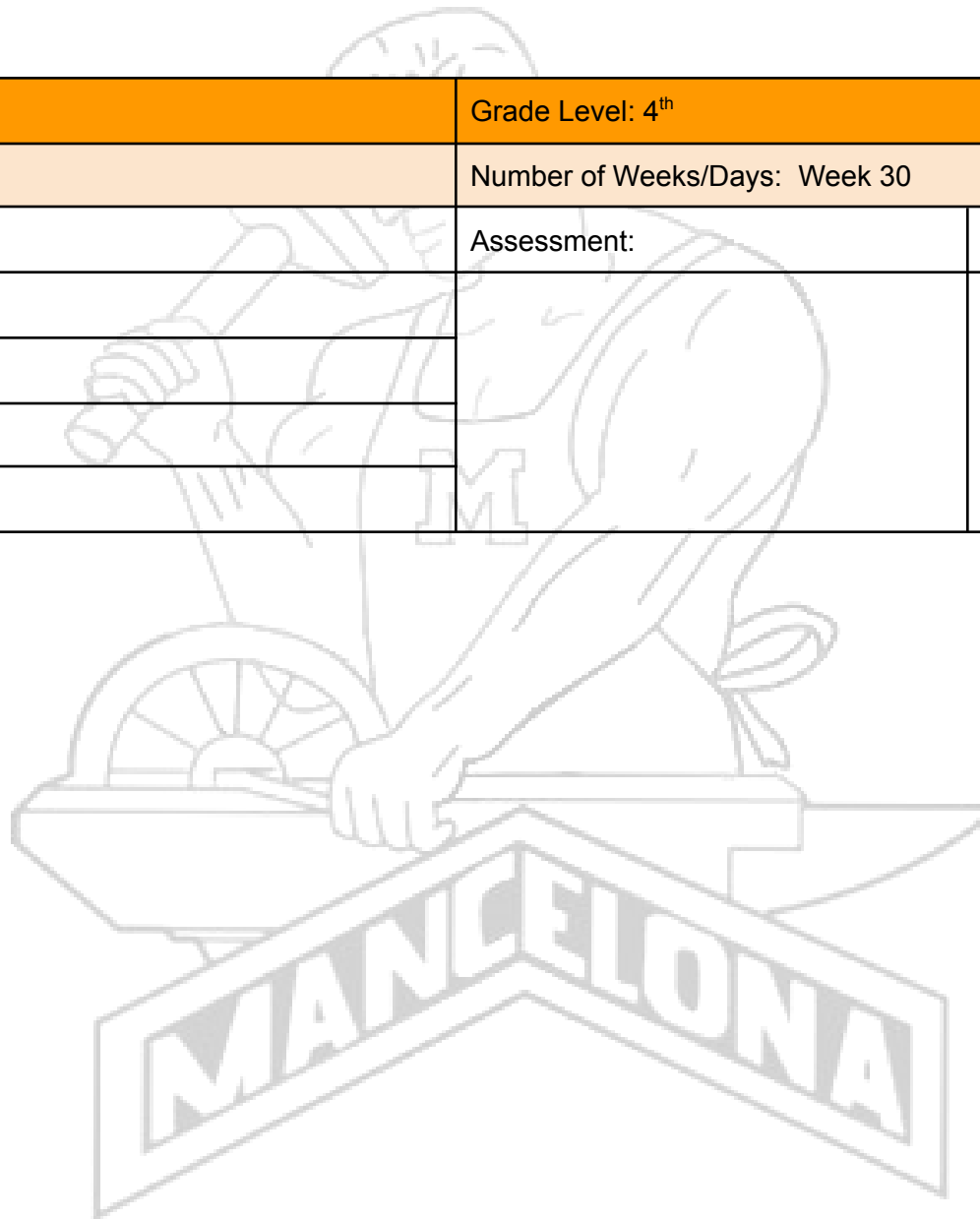




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 30	
Standards:	Assessment:	Resources:

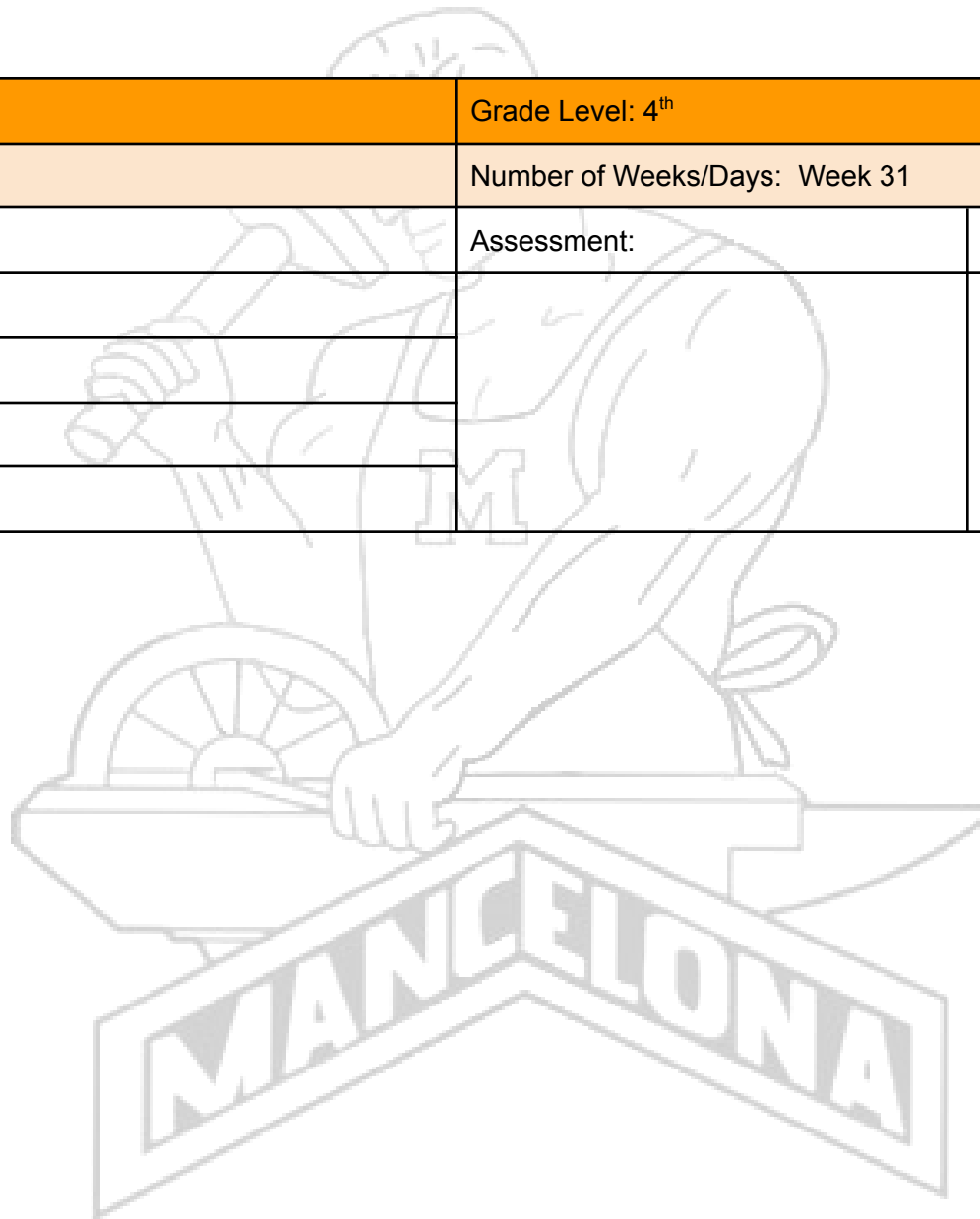




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 31	
Standards:	Assessment:	Resources:

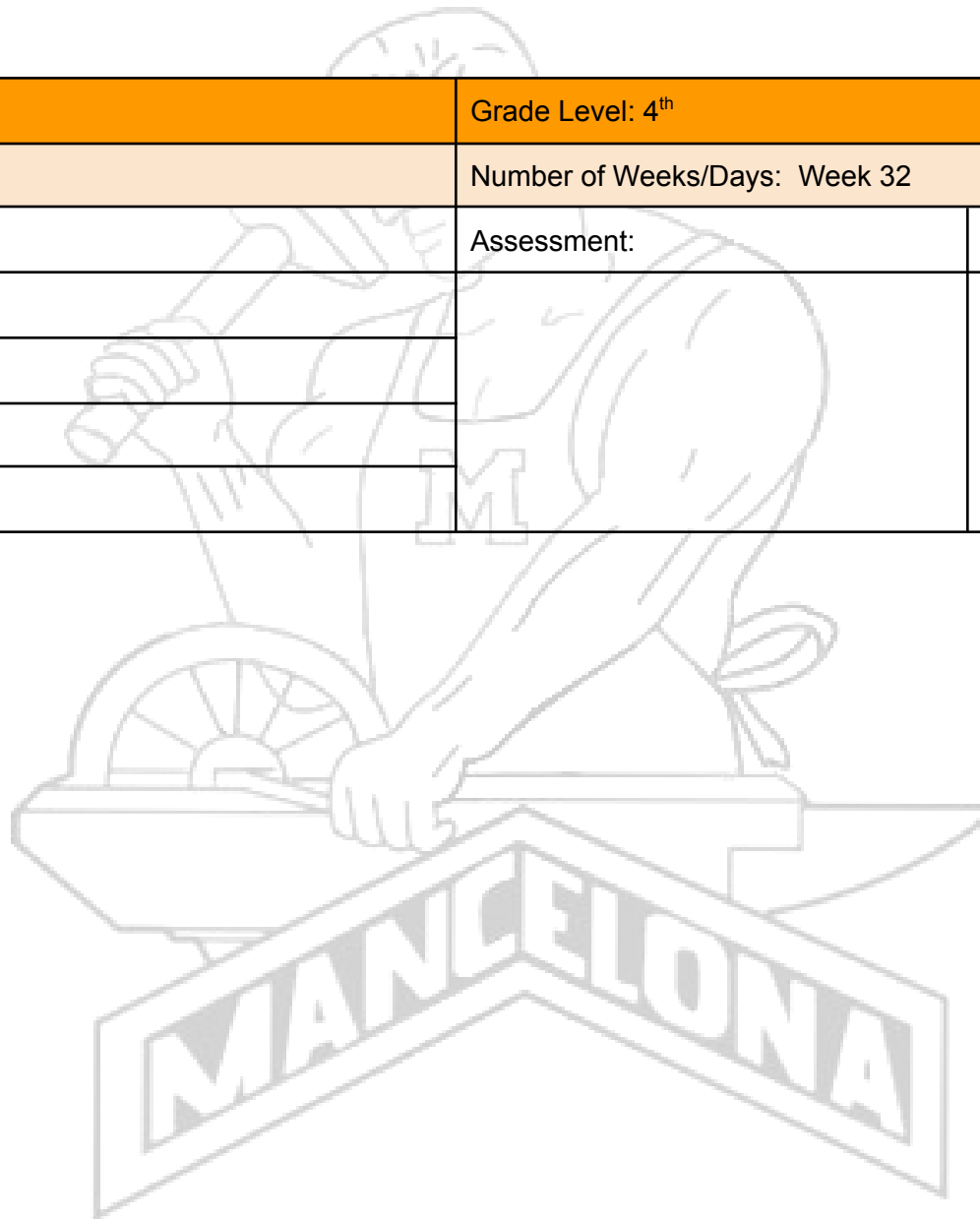




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 32	
Standards:	Assessment:	Resources:

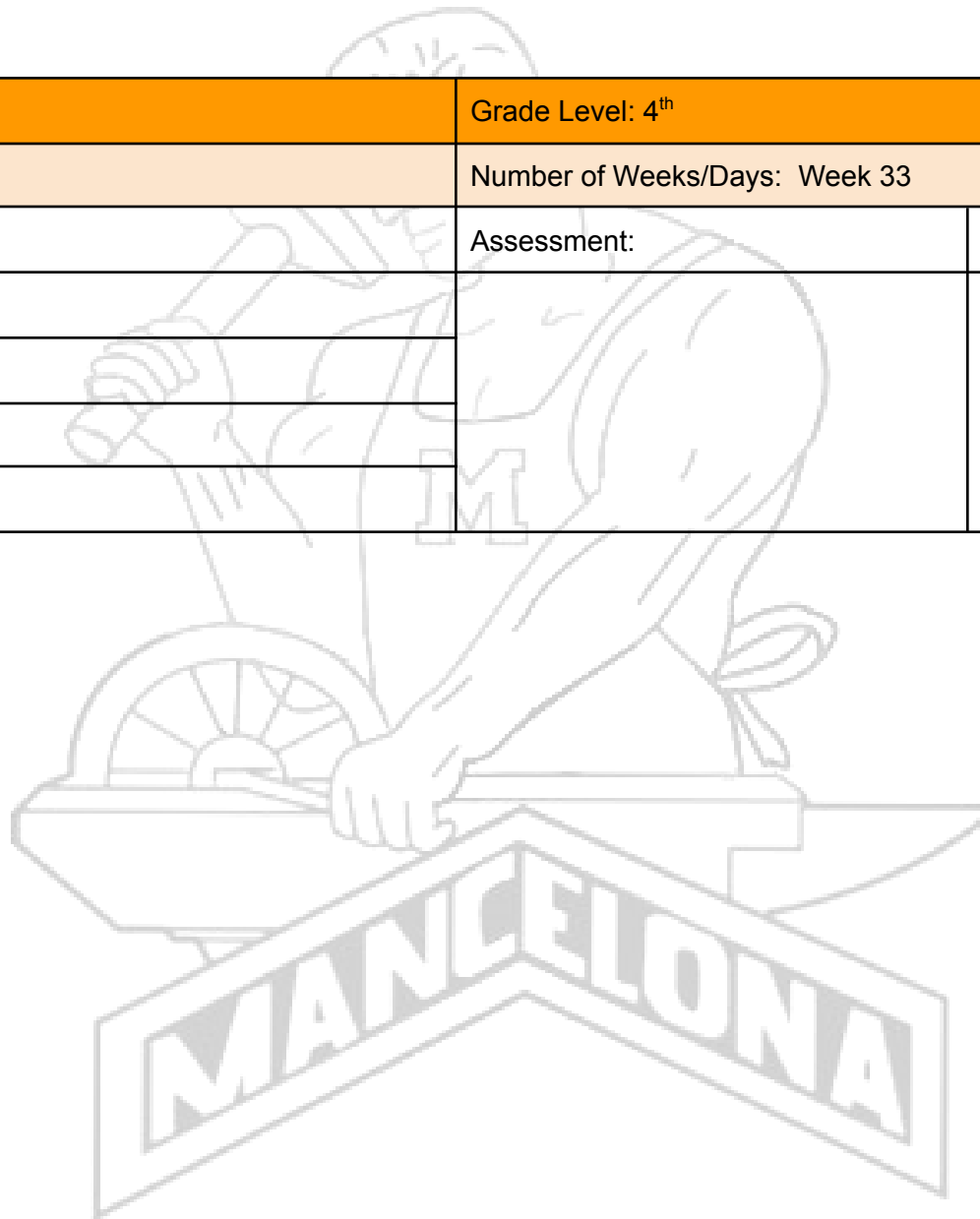




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 33	
Standards:	Assessment:	Resources:

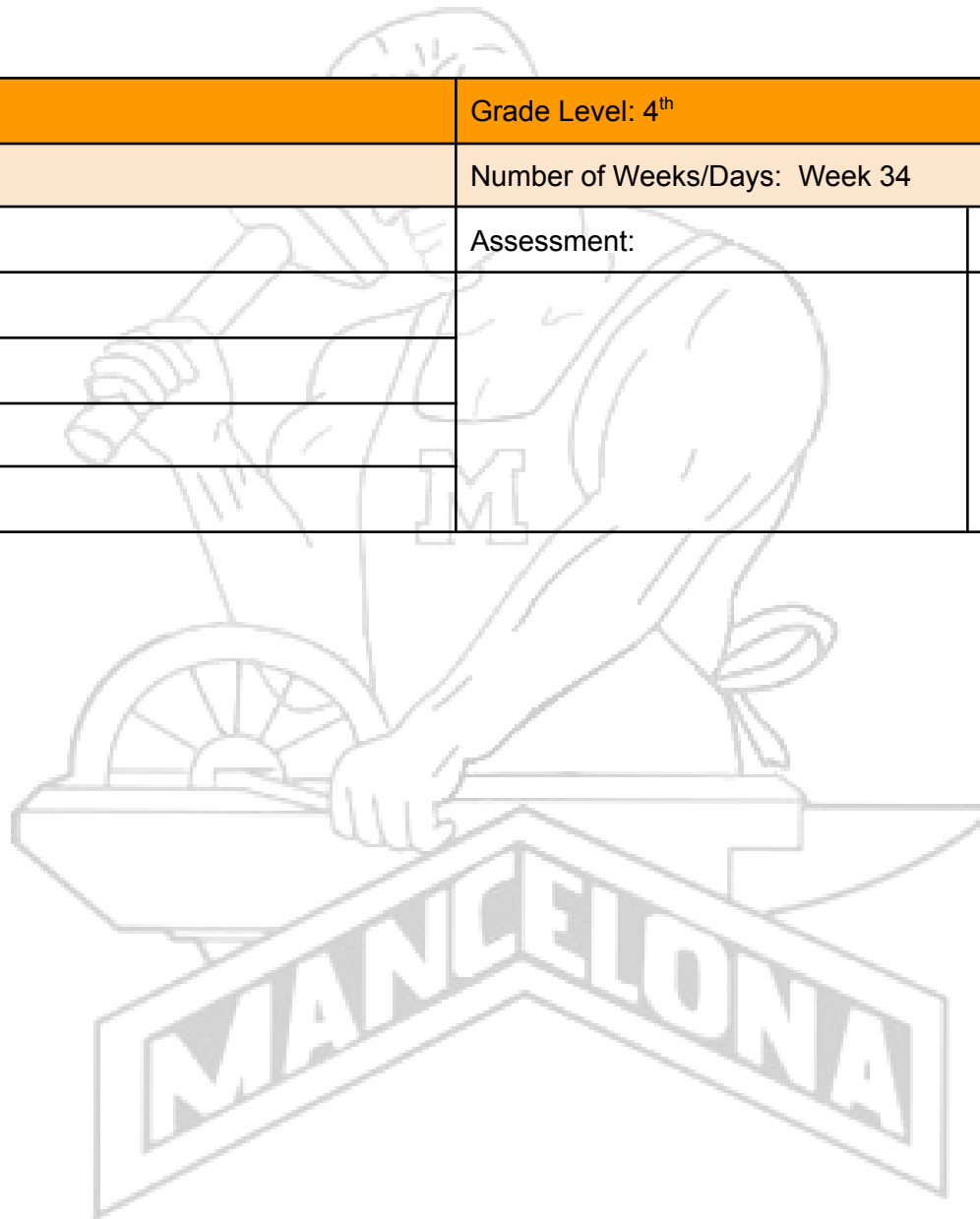




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 34	
Standards:	Assessment:	Resources:

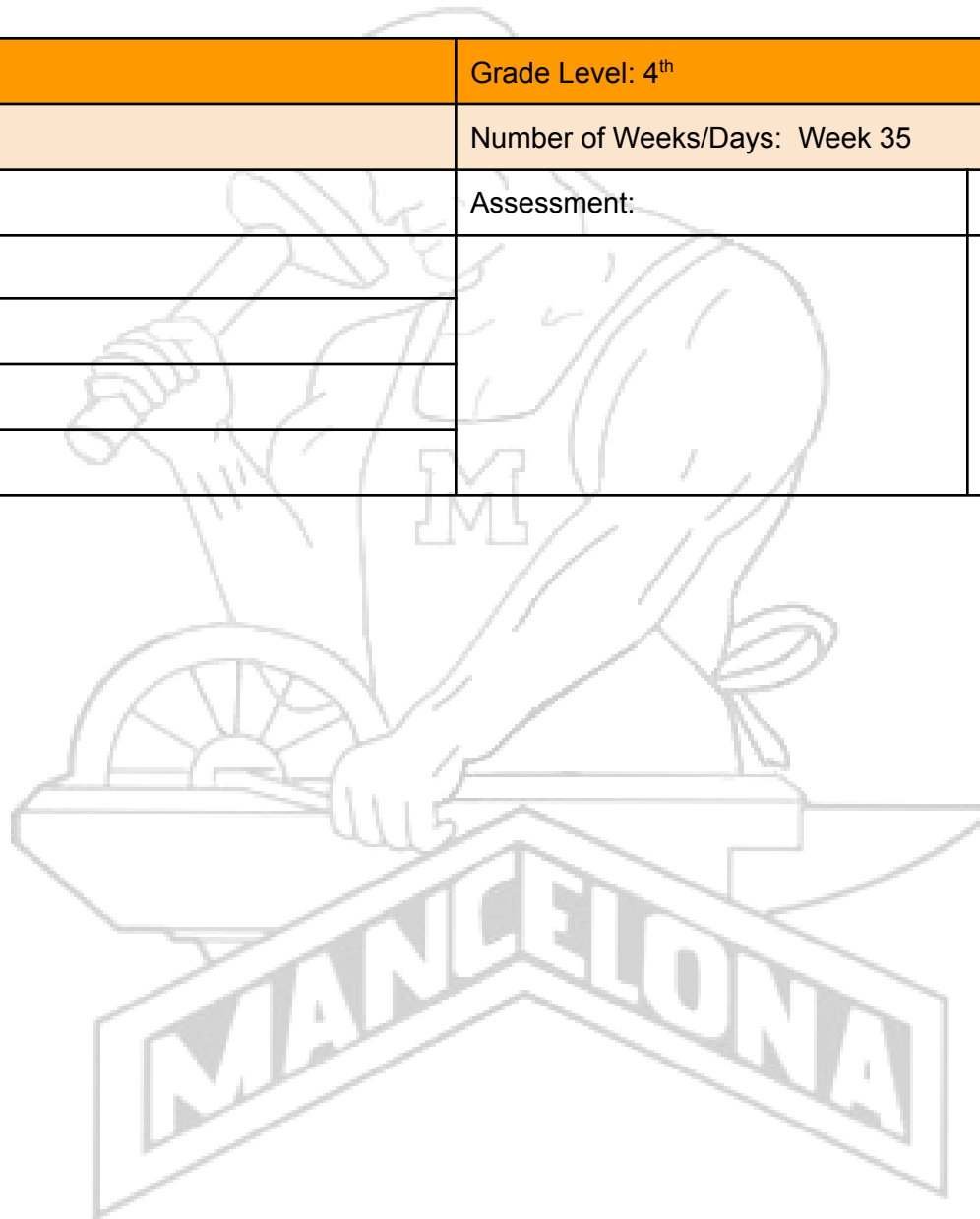




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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 35	
Standards:	Assessment:	Resources:





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Content Area: Science	Grade Level: 4 th	
Title of Unit:	Number of Weeks/Days: Week 36	
Standards:	Assessment:	Resources:

