Montana Computer Science

# Grade 1

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| **When a district incorporates or integrates computer science content into district curriculum or offers a course in computer science, the following skills at each grade level apply** | **1** fostering an inclusive computing culture CS.1.K12<br>**2** collaborating around computing CS.2.K12<br>**3** recognizing and defining computational problems CS.3.K12<br>**4** developing and using abstractions CS.4.K12<br>**5** creating computational artifacts CS.5.K12<br>**6** testing and refining computational artifacts CS.6.K12<br>**7** communicating about computing. CS.7.K12 |
| **Computer science algorithms and programming standards for first grade are that each student will** CS.AP.1 | **1** retell step-by-step instructions to complete a task CS.AP.1.1<br>**2** use numbers and symbols to represent information CS.AP.1.2<br>**3** arrange sequences and simple loops in correct order CS.AP.1.3 |
| **Computer science computing systems standards for first grade are that each student will** CS.CS.1 | **1** identify tasks that can be performed by computing devices CS.CS.1.1<br>**2** use appropriate terminology in identifying common hardware and software problems CS.CS.1.2<br>**3** identify simple hardware and software problems. CS.CS.1.3 |
| **Computer science data and analysis standards for first grade are that each student will** CS.DA.1 | **1** collect and categorize data in up to three categories CS.DA.1.1<br>**2** retrieve, arrange and modify information CS.DA.1.2<br>**3** identify patterns in data CS.DA.1.3 |
| **Computer science impacts of computing standards for first grade are that each student will** CS.IC.1 | **1** work respectfully and responsibly in groups CS.IC.1.1<br>**2** keep login information private and log off devices appropriately CS.IC.1.2 |