

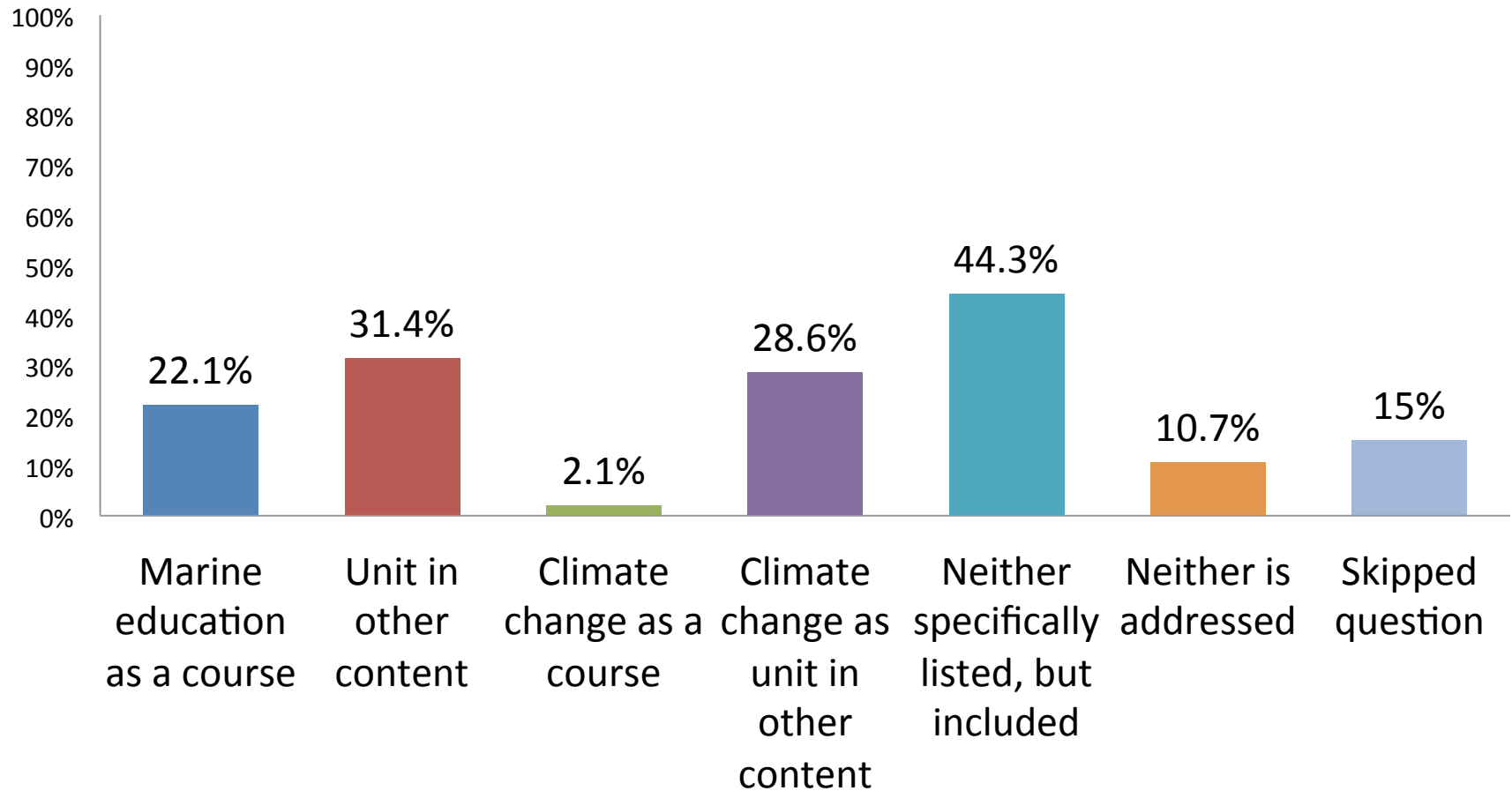


What do Alaska teachers need?

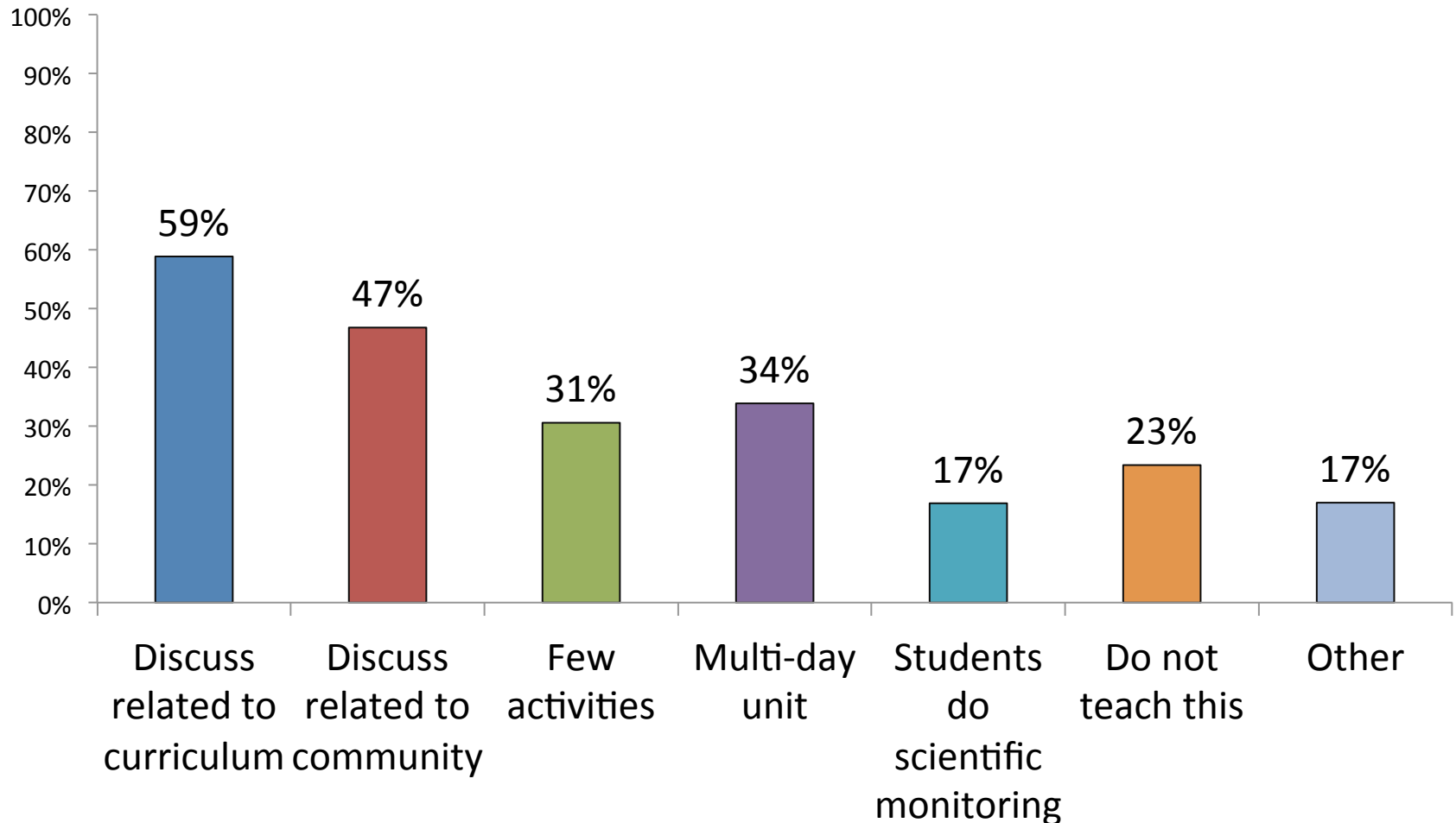
Report of a 2010 survey

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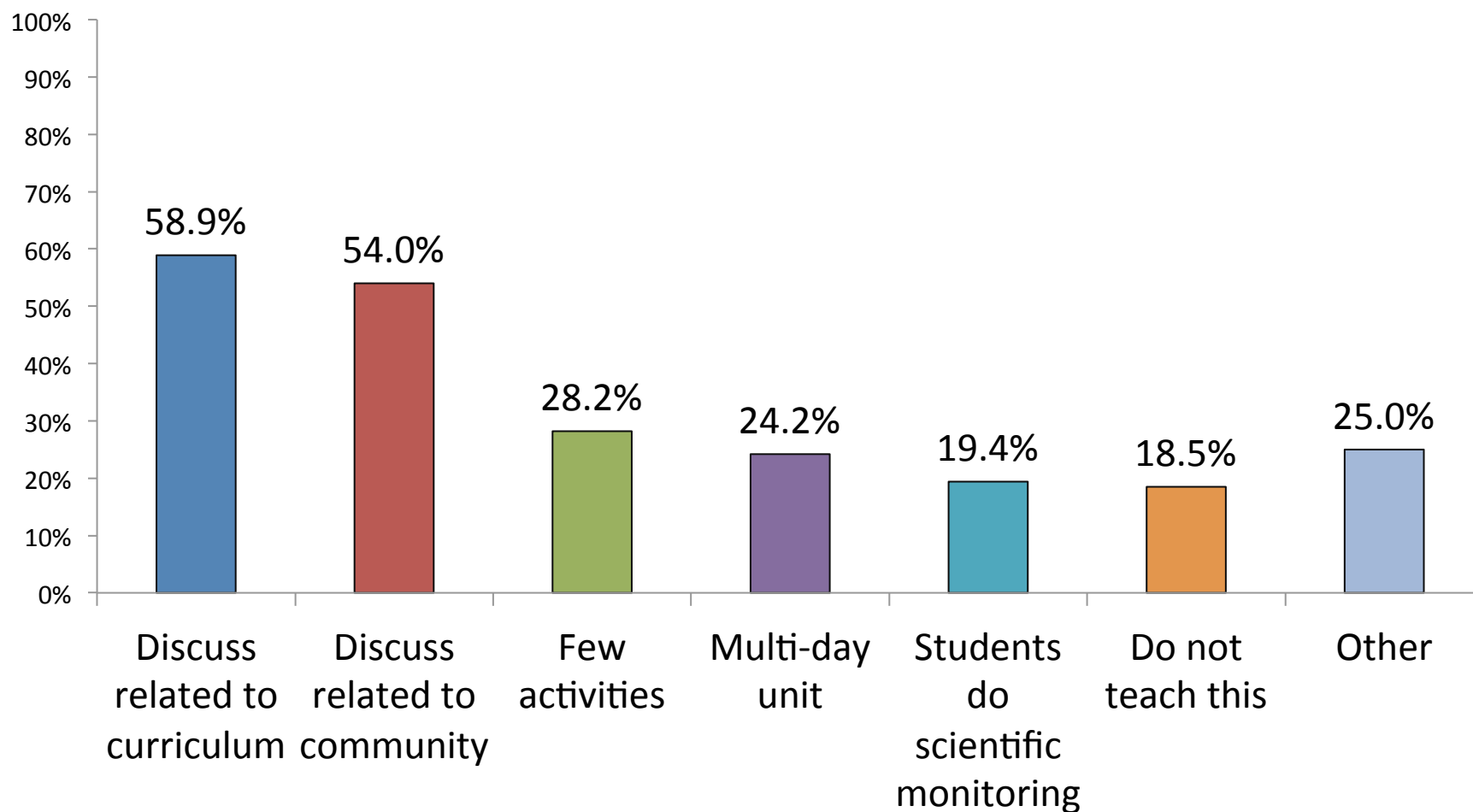
How marine science or climate change is included in curriculum.



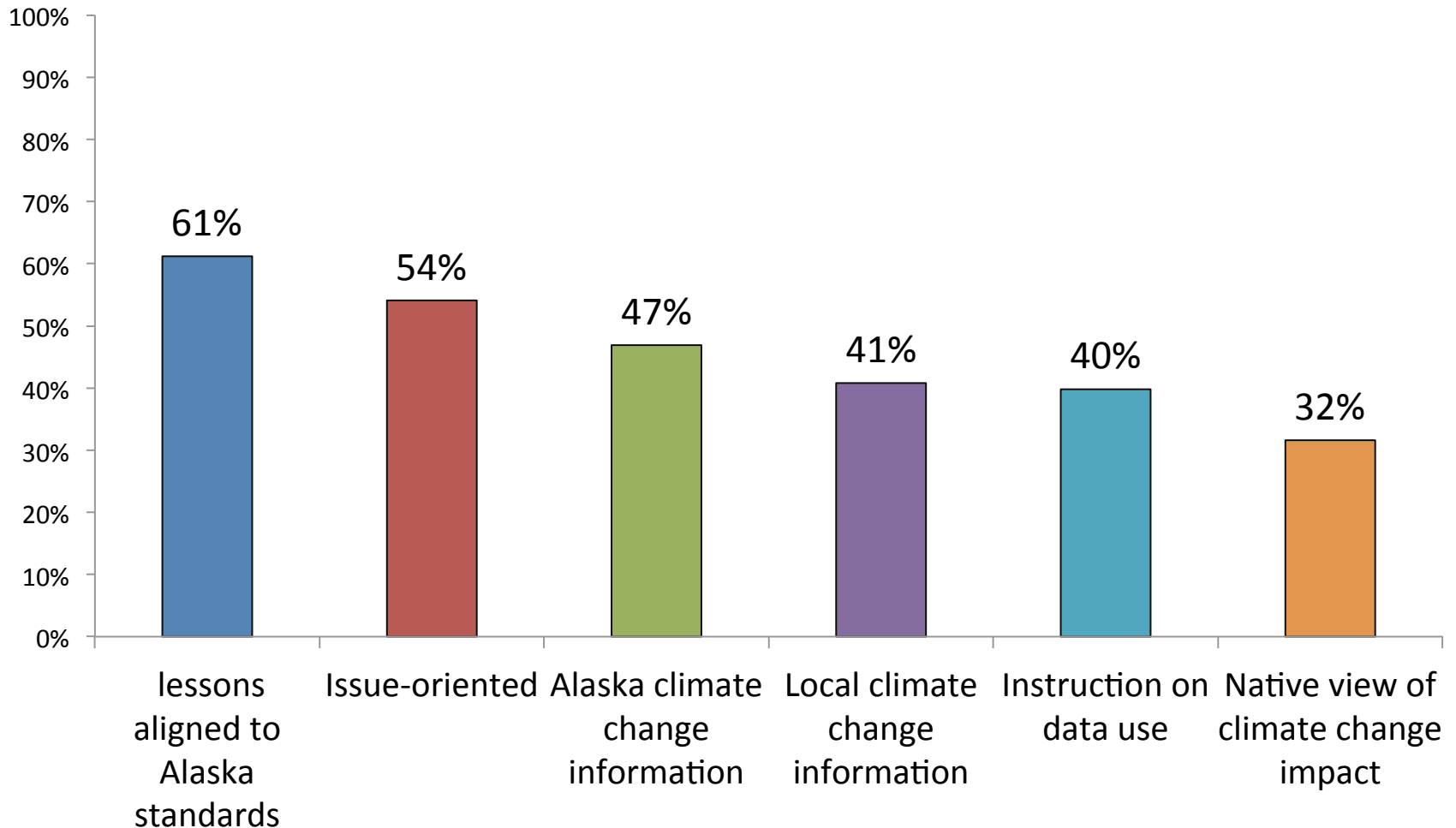
Current approaches to teaching about marine environment



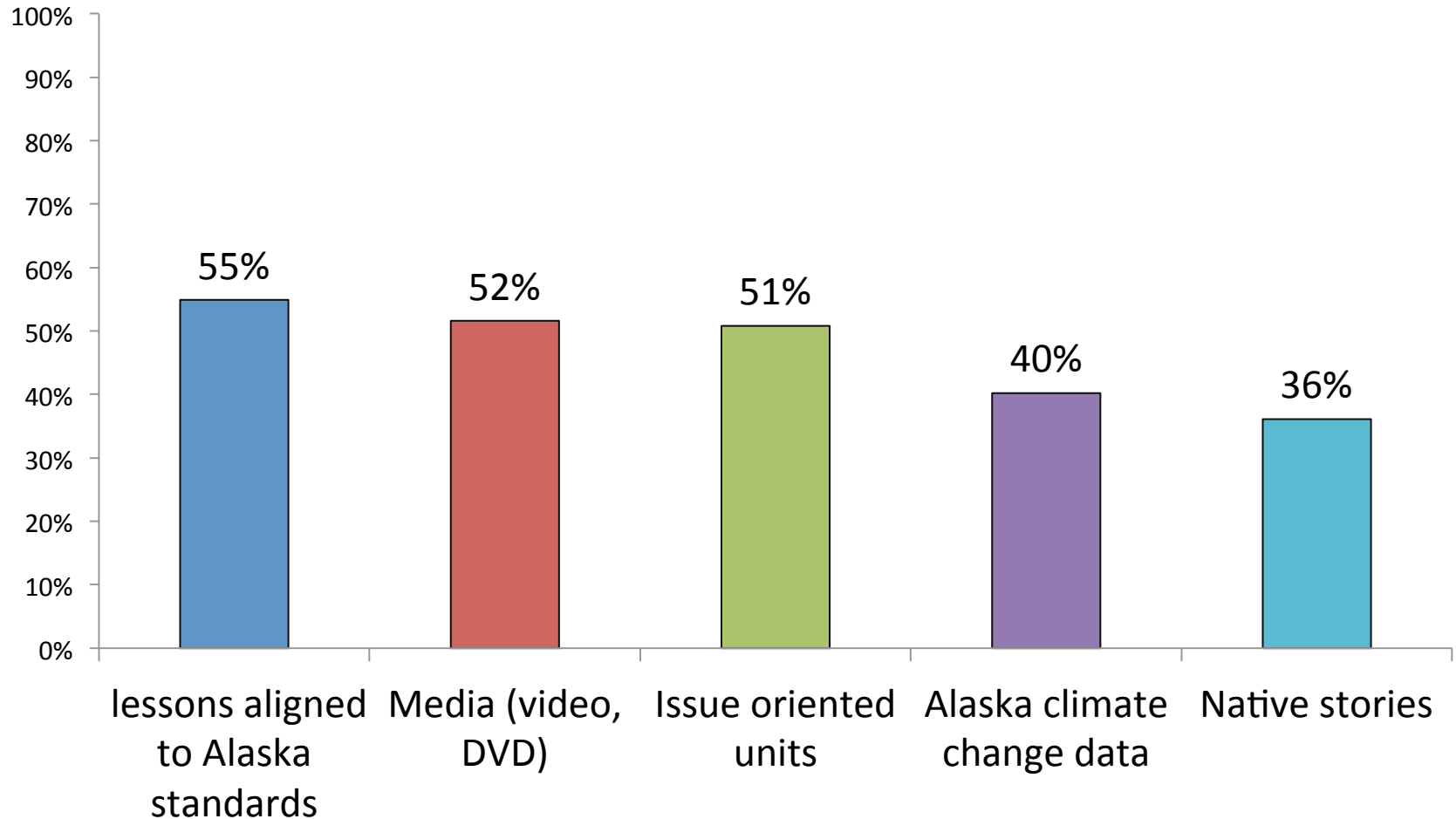
Current approaches to teaching about climate change



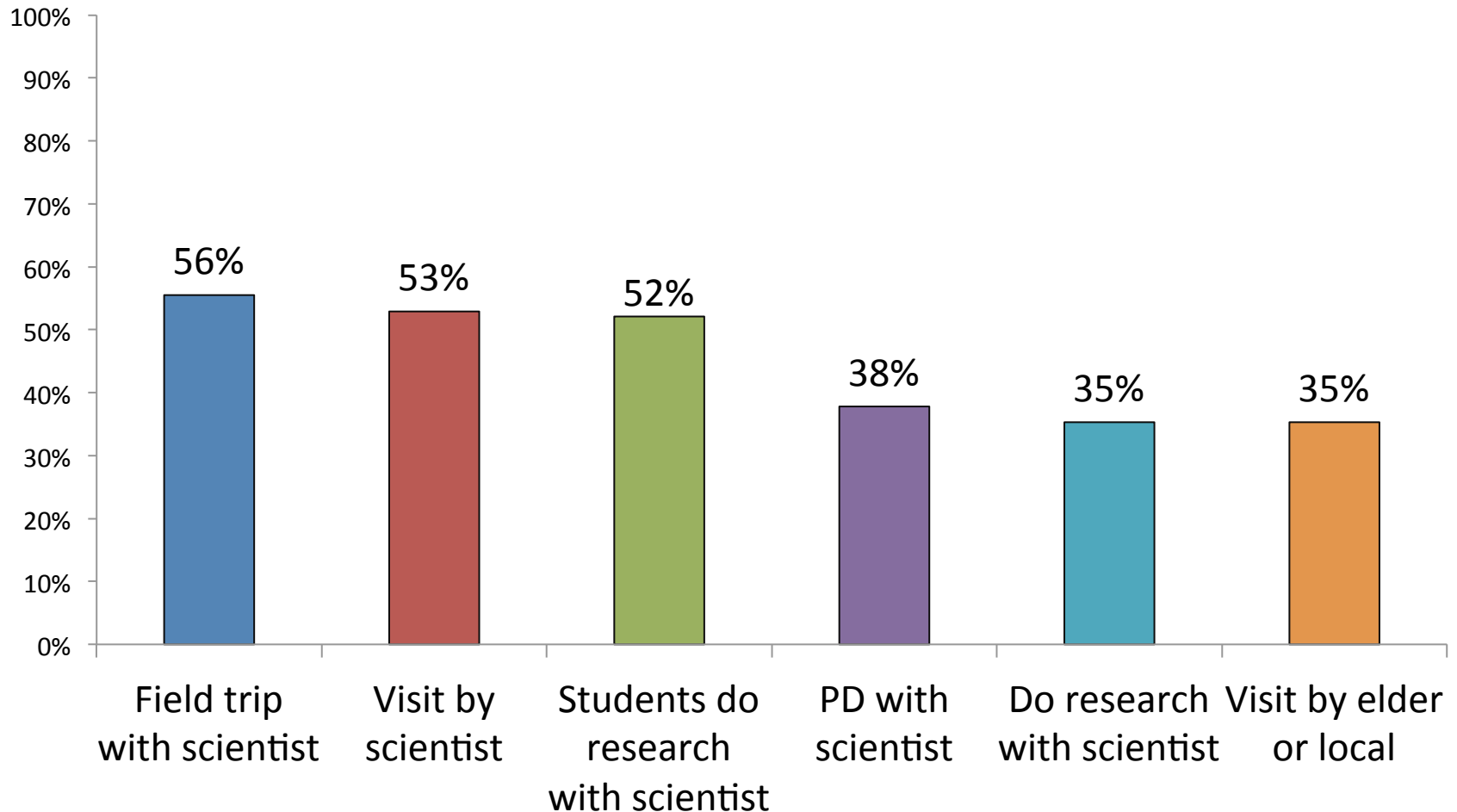
Instructional materials teachers use to teach about the marine environment or climate change



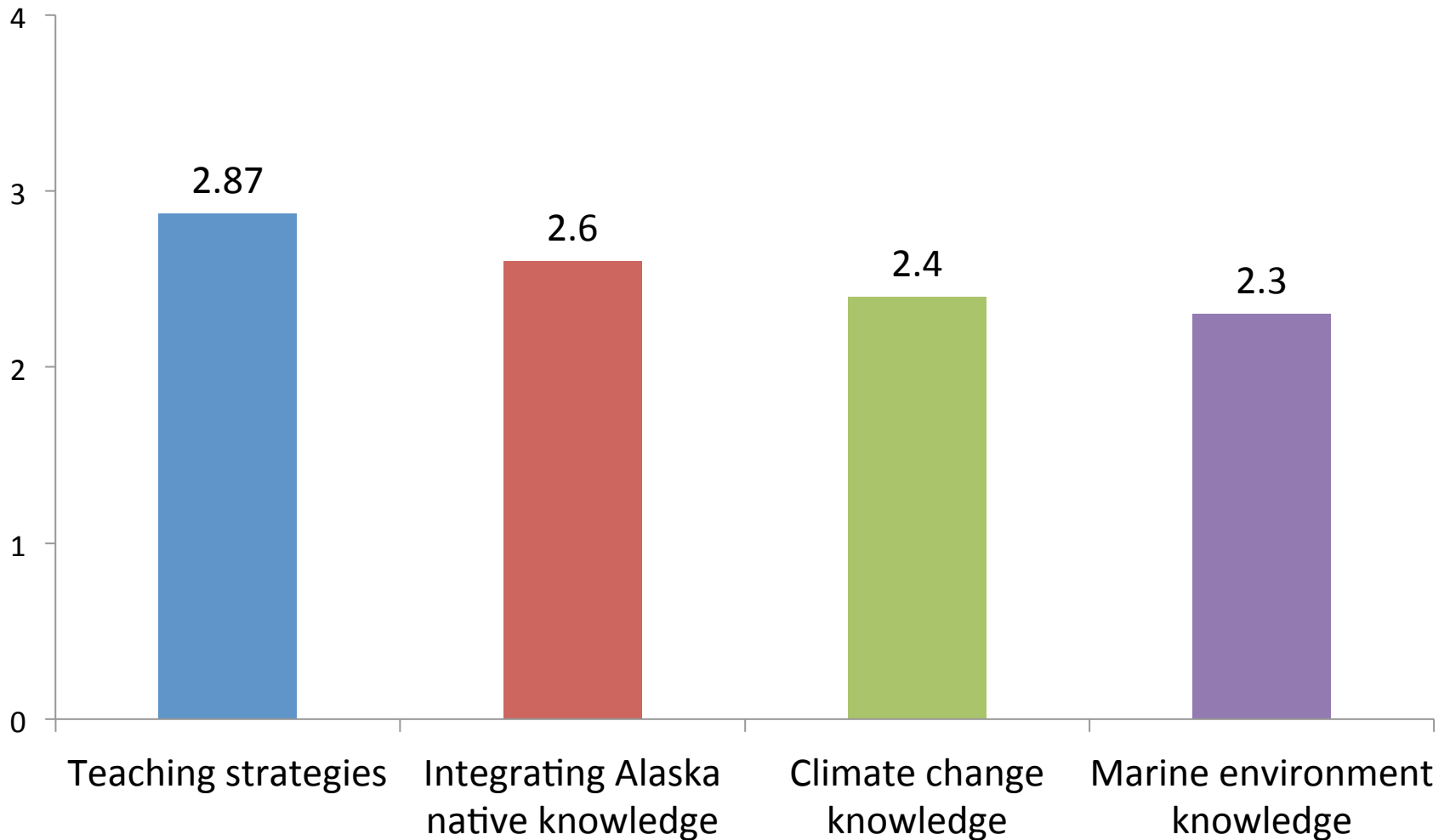
Teaching materials teachers need to teach about the marine environment or climate change



What teachers need to support teaching about the marine environment or climate change



Teachers rated areas of need for professional development



Another view of how teachers rated areas of need for professional development

Professional Development Needed	Lowest Need	Lower Need	Higher Need	Highest Need
Teaching strategies related to climate change or marine environments.	17.2% (20)	16.4% (19)	28.4% (33)	37.9% (44)
Integrating Alaskan Native knowledge within the topics.	19.5% (24)	23.6% (29)	35.0% (43)	22.0% (27)
Climate change content knowledge.	21.9% (25)	36.8% (42)	19.3% (22)	21.9% (25)
Marine environment content knowledge.	33.6% (38)	22.1% (25)	25.7% (29)	18.6% (21)

Conclusions

- Teachers need lessons and materials in marine environment and climate change that align with the Alaska State Standards
- Teachers need and want scientists to help with content and to support learning experiences for students
- Teachers would like help integrating traditional ecological knowledge with western science in regards to climate change and the marine environment